10/88



# GEOCHEMICAL REPORT ON THE

# PITA CLAIMS
(PITA 1 - 8; 10 - 16; & 20 - 29)

MONASHEE PASS AREA
VERNON MINING DIVISION
BRITISH COLUMBIA

LOCATION:

N.T.S.: 82L/2E
LATITUDE: 50° 09' ~~30"N~~ 49"
LONGITUDE: 118° ~~33' 15"W~~ 34'23"

REPORT FOR:

Operator: APPROACH RESOURCES LTD.
550 - 1130 WEST PENDER STREET,
VANCOUVER, BRITISH COLUMBIA V6E 4A4

Owner: Mohawk Oil Co. Ltd.

PREPARED BY:


Peter A. Christopher Ph.D., P.Eng.
PETER CHRISTOPHER AND ASSOCIATES INC.
3707 WEST 34TH AVENUE,
VANCOUVER, B.C. V6N 2K9


PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA P. A. Christopher

DECEMBER 16, 1987

# TABLE OF CONTENTS



# LIST OF ILLUSTRATIONS

# GEOCHEMICAL REPORT ON THE PITA PROPERTY, MONASHEE PASS VERNON MINING DIVISION, B.C.

## SUMMARY

The Pita Property, consisting of the Pita 1-8, 10-16 and Pita 20, Pita 29 and Pita 21 fractional metric claims and Pita 22-28 two post claims covers about 11,000 acres (4452 ha) in the Vernon Mining Division and Monashee Pass area. The property straddles Highway 6 about 30 kilometers east of Lumby with a network of logging roads up Heckman, Inches, and Monashee Creeks providing excellent property access. The property was established in 1981 by Mohawk Oil Company Ltd. to test favourable geology in an area of known placer and hardrock gold deposits. Since 1981, Mohawk Oil has conducted geochemical, geological, geophysical and trenching programs on the property with total expenditures of about $200,000 resulting in establishment of a number of anomalous geochemical zones. A 1986 program, conducted for Approach Resources Ltd., consisted of geochemical sampling, geological mapping, prospecting, magnetometer tests and a 11.2 line kilometers of VLF-EM with a total cost of about $ 50,000. The 1987 program, conducted for Approach Resources Ltd., consisted of 17.5 km of cut and picketed grid with soils collected at 25 meter intervals and 578 analysed for ICP and gold geochemistry.

The Pita Property is well situated in an area of active exploration with continuing exploration of the gold bearing zones on the Top Property in the Monashee Pass area and on the Monashee Mountain Property. Cominco Ltd. is actively exploring for precious metals on the Keefer Lake property to the east of Monashee Mountain.

The 1987 field program has provided further geochemical definition of anomalies reported by Mohawk Oil on the Pita 1 and Pita 7 claims and has established a grid system for referencing physical exploration of the anomalous zones. Values in soils up to 131 ppb gold, 4.6 ppm silver, 1271 ppm zinc, 346 ppm lead, and 1411 copper were obtained during the 1987 survey. Anomalous zones include various combinations of anomalous conditions for copper, lead, zinc, silver and gold. Limited trenching in 1985 by Mohawk Oil revealed minor chalcopyrite, galena and sphalerite mineralization. Arsenic and antimony are reported to occur in vein zones at Monashee Pass but generally have weak response within the 1987 grid area.

Trenching and possibly dianond drilling should be conducted on a zone of moderately anomalous gold, silver, lead, zinc and copper values centered near the intersection of northerly and east-west anomalous trends at line 13S near the baseline and an anomalous silver-copper-zinc at the eastern ends of lines 13S to 17S. Further physical evaluation of anomalies obtained during the 1986 field program is also warranted (Christopher, 1987a).

## INTRODUCTION:

Recent exploration on several old precious metals prospects in the Lumby - Cherryville - Monashee Pass area has resulted in development of some very promising prospects. Considerable staking has been done in map sheets 82L/1W and 2E. This report summarizes recent past and present exploration in the area and describes work done for Approach Resources Ltd. on the Pita claims, under option from and formerly explored by Mohawk Oil Company Ltd.

Peter Christopher and Associates Inc. was retained by the management of Approach Resources Ltd. (formerly Image Resources Ltd.) to construct a grid over the Pita 1 and Pita 7 claims and to soil sample the grid at 25 meter intervals. The 1987 grid area had previously been indicated by Mohawk Oil Company Ltd. surveys (Waldner, 1984a; 1985) and by Approach Resources Ltd. surveys (Christopher, 1987a) to have precious and base metal potential. The writer supervised the exploration and examined the property between October 4th and 5th, 1987 with the field exploration conducted between October 4th, 1987 and October 10th, 1987. A separate report was prepared on a brief prospecting and geochemical program conducted on the Pita 29 claim (Christopher, 1987b).

The current program has extended and further defined a number of geochemical anomalies detected during the Mohawk Oil Company Ltd. Approach Resources Ltd. surveys. Further exploration of the anomalies is warranted.

## LOCATION AND ACCESS: (Figures 1 & 2)

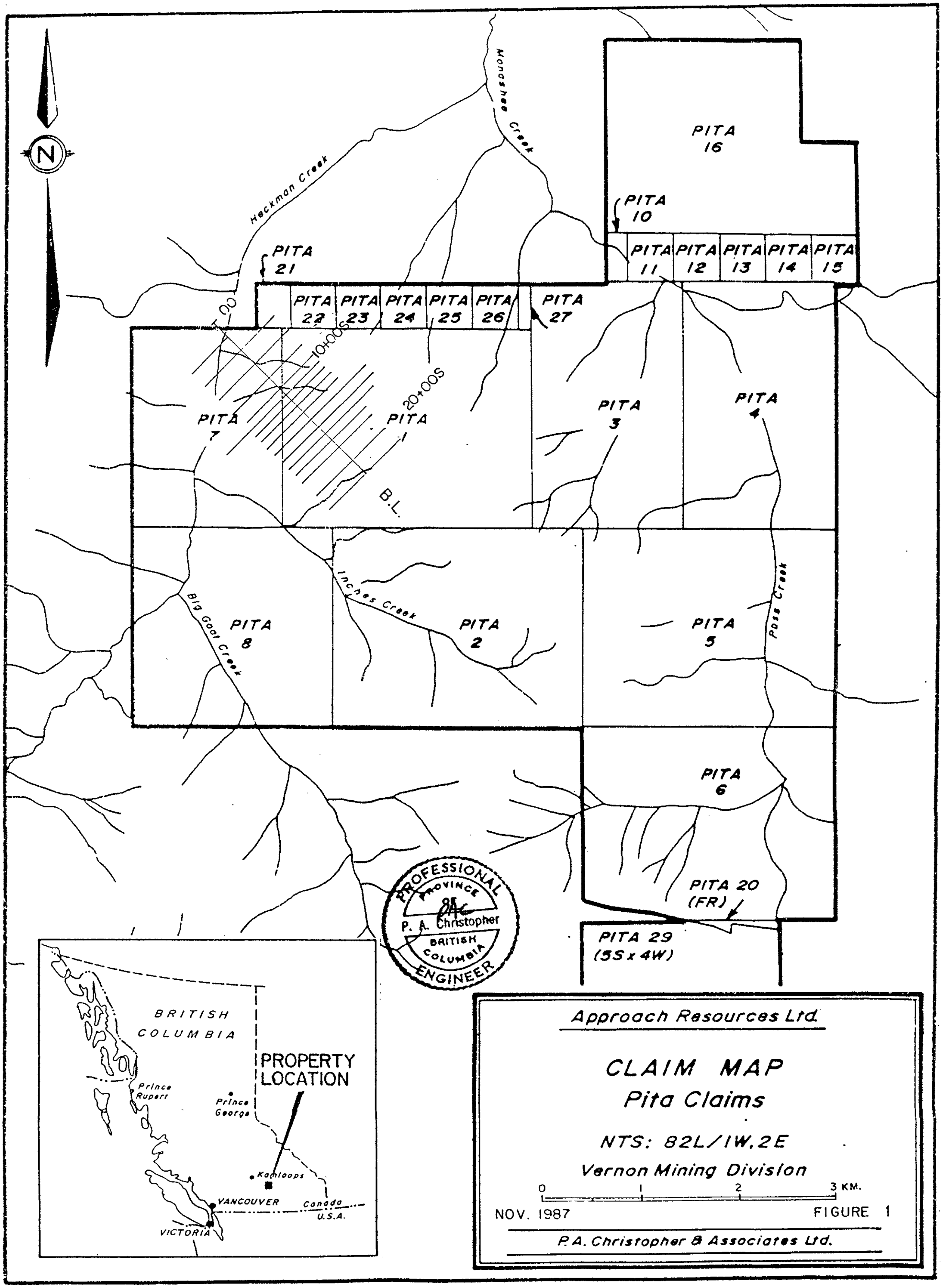
The Pita Property is situated near Monashee Pass in the Monashee mountains, 50 kilometers southeast of Vernon, B.C. The property is situated between Heckman Creek and Monashee Pass Creek, 10 kilometers southeast of Cherryville, and roughly 35 kilometers southeast of Lumby.

A network of good gravel logging roads extending up Heckman Creek and Inches Creek permits access to most of the property. The south end of the property is reached by a similar logging road system which leaves the paved Monashee Highway between Monashee Pass and McIntyre Lake.

Most supplies and services are available in Lumby, while Vernon, a large city, is serviced by daily jet flights from Vancouver and Calgary to the Kelowna airport, situated between Kelowna and Vernon. Limited groceries are available in Cherryville and several campgrounds are situated north of Monashee Pass and are practical for use while working on the property. The Monashee Gold Pan Campsite at the mouth of Hickman Creek was used for this program.

## TOPOGRAPHY, VEGETATION AND CLIMATE:

The Pita Property is situated in the Monashee Mountains subdivision of the the Columbia Mountains. The property has moderate to strong relief with elevations ranging from about 2,350 feet (712m.) in Monashee Creek to over 5600 feet (1697m.) on a peak west of Monashee Pass.



N
Monashee Creek
Heckman Creek
PITA 16
PITA 10
PITA 11
PITA 12
PITA 13
PITA 14
PITA 15
PITA 21
PITA 22
PITA 23
PITA 24
PITA 25
PITA 26
PITA 27
00
10+00S
20+00S
B.L.
PITA 7
PITA 1
PITA 3
PITA 4
Inches Creek
Big Goat Creek
Pass Creek
PITA 8
PITA 2
PITA 5
PITA 6
PITA 20 (FR)
PITA 29 (5S x 4W)
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
P. A. Christopher
BRITISH COLUMBIA
PROPERTY LOCATION
Prince Rupert
Prince George
Kamloops
VANCOUVER
VICTORIA
Canada
U.S.A.
Approach Resources Ltd.
CLAIM MAP
Pita Claims
NTS: 82L/1W,2E
Vernon Mining Division
0
1
2
3 KM.
NOV. 1987
FIGURE 1
P.A. Christopher & Associates Ltd.

Much of the property covers a narrow plateau-like upland surface between Heckman and Monashee Pass Creeks. On both sides of the plateau slopes are steep and thickly wooded with mixed birch, fir, pine, cedar and poplar. Considerable outcrop exists in road-banks and on steep slopes and in creek beds.

Climate is not severe; the property is free of snow from late May through early October. Summers are generally dry. Water is always available in major creeks for drilling or camp use.

## PROPERTY DEFINITION

The Pita Property is composed of 10 metric claims totaling 178 units, 3 fractional claims and 13 two post claims. The property covers about 11,000 acres (4452 ha.) in the Vernon Mining Division of British Columbia. The writer examined the legal corner posts for Pita 1, Pita 2, Pita 7 and Pita 8 and erected the legal corner post for Pita 29. Except for Pita 29 which was staked in October 1986 by the writer, the claims have all existed for at least two years. Previously held crown grants at Monashee Pass were overstaked by Pita 29 and Pita 6 but are not part of the Pita Property. The Pita 16 claim appears to have overlapped about two units of a previously held claim and Pita Fr. 20 appears to be within the area of Pita 29.

Table 1 summarizes pertinent claim data and Figure 2 shows the approximate location of the Pita claims.

## HISTORY

The earliest activity in the area of the Pita claims was placer mining on Cherry Creek and Monashee Pass Creek, which started about 1863. The placer activity led to the discovery of silver mineralization in veins on the banks of Cherry Creek in 1865. Rich pockets of silver bearing material were present in quartz veins in slates, but their erratic distribution frustrated early exploration efforts.

Several years later, in 1886, prospector Donald McIntyre staked a silver showing in Monashee Pass, and within three years, with the help of his partner L.W. Riske, constructed a stamp mill on the property. The mill was operated with water obtained from the Kettle River drainage via a two mile ditch system. The Monashee (B.C. Mineral Inventory 82L/SE # 1) is reported to have produced 2410 tons in 1939 and 1940 with a yield of 316 ounces of gold, 1636 ounces of silver, 1556 pounds of lead and 418 pounds of zinc.

The St. Paul Mine on nearby Monashee Mountain shipped about 11.2 tons grading 0.50 oz Au/ton, 147.9 oz Ag/ton, 11.15% lead, 0.2% zinc and 17% antimony (B.C. Ministry of Mines, Annual Rept. 1927 p.C213) to the Trail Smelter in 1927. Total production from the St. Paul (B.C. Mineral Inventory 82L/SE #10) is reported to be 430 tons yielding 181 ounces of gold, 3614 ounces of silver, 8199 pounds of lead and 2,773 pounds of zinc. Antimony, copper and arsenic are also reported to be found in the occurrence.

Table 1. Pertinent Claim Data for Pita Property.

| Claim Name | Record Number | Record Date | Units | Expiry* | Mining Division |
|---|---|---|---|---|---|
| PITA 1 | 1032 | 03/06/81 | 20 | 1990 | Vernon |
| PITA 2 | 1033 | 03/06/81 | 20 | 1988 | Vernon |
| PITA 3 | 1034 | 03/06/81 | 15 | 1989 | Vernon |
| PITA 4 | 1035 | 03/06/81 | 15 | 1989 | Vernon |
| PITA 5 | 1036 | 03/06/81 | 20 | 1988 | Vernon |
| PITA 6 | 1037 | 03/06/81 | 20 | 1989 | Vernon |
| PITA 7 | 1038 | 03/06/81 | 12 | 1990 | Vernon |
| PITA 8 | 1039 | 03/06/81 | 16 | 1988 | Vernon |
| PITA 10 | 1205 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 11 | 1206 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 12 | 1207 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 13 | 1208 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 14 | 1209 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 15 | 1210 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 16 | 1518 | 06/09/83 | 20 | 1988 | Vernon |
| PITA 20 Fraction | 1221 | 03/18/82 | 1 | 1988 | Vernon |
| PITA 21 Fraction | 1519 | 06/09/83 | 1 | 1988 | Vernon |
| PITA 22 | 1788 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 23 | 1789 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 24 | 1790 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 25 | 1791 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 26 | 1792 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 27 | 1793 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 28 Fraction | 1787 | 06/11/84 | 1 | 1989 | Vernon |
| PITA 29 | 2161 | 28/10/86 | 20 | 1988 | Vernon |

* Year of expiry before recording of work program outlined in this report.

The McPhail (B.C. Mineral Inventory 82L/SE # 9) is surrounded by the Pita 6 and Pita 29 claims and the Top precious metal prospect (B.C. Mineral Inventory 821/SE # 17) adjoins the Pita 29 on the south.

The Pita 1 through 28 claims were acquired by Mohawk Oil Company Ltd. between March 6, 1981 and June 11, 1984 to explore an area considered to have a favourable setting for gold, silver and base metals. The Pita 29 was added by the writer in October 1986 to cover favourable geology north of the Top Property and possible extensions of the McPhail and St. Paul mineralized systems.

A summary of recent exploration of the Pita claim area follows: Portions of the property have previously been held under claim. In 1976, part of the current Pita 16 claim was held as the Amos, Sam, and Onyx claims with the Inches Creek area held as the Sus, Hazel and Ople-Ag claims. The highest ground on the property, at the head of Big Goat, Inches, and Monashee Creeks, appears to have been unexplored until Mohawk Oil staked the property in 1981.

Considerable work has been done on the southern portion of the property by Mohawk Oil.

<u>1981:</u> Geological mapping (1:7,920 scale). Regional geochemical sampling, (786 soil, 74 silt and 22 rock chip samples). Traverse lines were 500 meters apart with 50 meter sample stations. Geochemical anomalies for silver and zinc and gold were found at the head of Cedar Gulch Creek. Weak copper anomalies were found at the height of land over dioritic to gabbroic intrusives. Weak lead, zinc and gold anomaly was found north of Inches Creek and east of Heckman Creek. Strongly anomalous gold in silt was found at the head of Big Goat Creek. Total expenditures were $30,399.90. (not including staking costs).

<u>1983:</u> In 1983, follow-up geological mapping, prospecting, geochemical surveying, magnetometer and VLF-EM surveys, and trenching were done. Results of geochemical sampling on the Pita 1,2,7, and 8 claims were considerably lower than the 1981-82 values. Samples were analyzed by Kamloops Research and Assay laboratory. A total of 144 soil and silt samples were taken. Highest gold sample was 340 ppb in the southwest corner of Pita 1 claim, and silver values up to 2.8 ppm (weakly anomalous) occur in the north-central part of Pita 1 claim. Some moderately anomalous copper, lead and zinc values are present, but copper did not correlate with other base metals.

Magnetometer surveys indicated areas of high relief, corresponding with diorite-gabbro intrusions and basic phases. No correlation with geochemistry exists and magnetics appeared to be of limited value in finding targets in the northern part of the property.

VLF surveys were reported to have located zones with large dip-angles. The surveys, covering only two small areas, are considered to be of limited use.

A total of 20 trenches were dug using a FL-9 backhoe and a D6C bulldozer. Gold values ranging up to 230 ppb occur, and some moderately high values of lead, zinc and copper occur, but gold and silver do not correlate well with base metals. The trenches are not accurately plotted on assessment plans with respect to claim posts or topographic features. Accurate trench locations would aid with interpretation of geochemical results from the trenching program.

Total cost of the 1983 program was $57,236.88.

1984: Prospecting and I.P. surveys (April-May 1984) included cutting of 21 km of grid line to I.P. standards. The I.P. surveys identified several areas with low resistivity and moderate chargeability. The survey was done on Pita 1,2,7, and 8 claims, using Scintrex Time Domain I.P. unit owned by Mohawk Oil. A dipole-dipole array was used with 50 meter electrode spacing and 4 separations (N=1,2,3,4). Chargeability averaged 10-12 ms. with highs of 55 ms. Resistivity values ranged from 90 to 7756 ohm-meters, averaging 743 ohm-meters. Resistivity values of less than 500 ohm-meters were considered significant by Mohawk Oil. Cost of the survey was $31,043.75.

On the Pita 16 claim, geology and geochemical work in 1984 included 1:5000 scale mapping and soil sampling along 13 grid lines oriented east-west with approximate 200 meter spacing and 50 meter stations. 503 soil samples were taken in a 6 square km area. Samples were analyzed by Acme Analytical Lab using ICP methods.

Results were generally low with three spot anomalies for gold having values between 41 and 75 ppb. The anomalous gold values are not supported by anomalous values for other elements. High zinc values, (up to 883 ppm) occurring along a single geochemical line probably result from contamination or hydromorphic transport.

Cost of the Pita 16 work was $18,392.05.

1985: In 1985, twelve trenches were dug on the Pita 16 claim, using a backhoe-loader at $55/hr. Samples from trenching are low in precious metals (one sample had 42 ppb gold, others had up to 3.9 ppm silver). High zinc values (1533 and 1933 ppm) occur in an area of limonitic clays; zinc has probably accumulated by adsorption onto limonite and clay particles, and values are not considered significant. Cost of the trenching program was $9,951.00.

Cumulative expenditures by Mohawk Oil of $147,025.58 are outlined in assessment reports filed to 1985. Total expenditure by Mohawk Oil are estimated to exceed $200,000 when acquisition, filing, and overhead cost are added to assessment work (M.W. Waldner personal communication, 1986).

<u>1986:</u> The 1986 field program, conducted by Peter Christopher & Associates Inc. for Approach Resources Ltd., consisted of grid line cutting and re-marking, collection of 1048 soil and silt samples, 53 rock samples and 3 pan samples, geological traverses, prospecting traverses, and 11.2 kilometers of VLF-EM surveys. The Pita 29 claim was added to the property in October 1986. The survey loacated gold up to 1020 ppb in soils and 21,500 ppb in panned silts with anomalous conditions for gold and silver in various combinations with anomalous copper, lead and/or zinc values. The strongest anomalous conditions straddle the boundary between Pita 1 and Pita 7 claims.

The cost of the 1976 work program and recording was approximately $50,000.

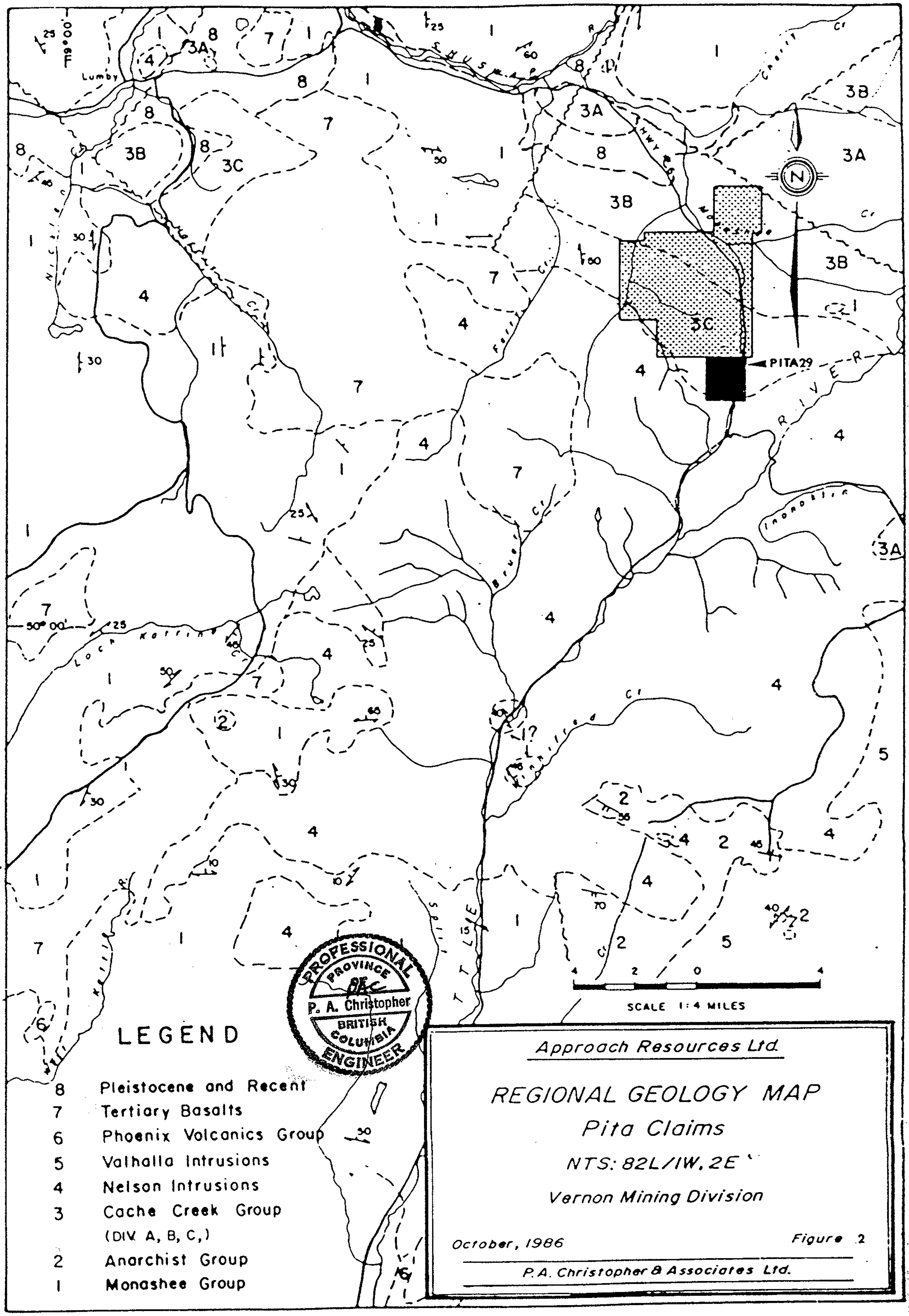
## 1987 WORK PROGRAM

The 1987 prospecting, grid construction and geochemical sampling program started October 3, with mobilization from Vancouver. Field work was completed on October 10, 1987 with samples and equipment retrieved from Vernon, B.C. on October 15, 1987. The work program was supervised by the writer and prospectors Frank Haidlauf and John Green of Keremeos and surveyor/prospector John Lissau of Vernon, B.C. The writer conducted property examination on October 4th and 5th, 1987. A separate report (Christopher, 1987b) was prepared on a geochemical sampling an prospecting conducted on the Pita 29 claim. This report covers exploration conducted on the Pita 1 and Pita 7 claims which was applied as assessment on the Pita I Group (Pita 1, 3, 4, 10-16, 21-28) and Pita II Group (Pita 2, 6, 7, 8, 20Fr). A cost statement for the exploration covered by this report is presented as Appendix A.

Work completed included grid line cutting with a 2.2km baseline and 15.5km of cross lines constructed, chained, and picketed at 25 meter intervals. A total of about 620 soil samples were collected from the grid area with 578 samples selected for ICP and gold geochemical analysis. Samples were analyzed by atomic absorption techniques for gold and 30 element ICP by Acme Analytical Laboratories Ltd., Vancouver, B.C. Where possible, soil samples were taken from B-Horizon, and placed in water resistant kraft soil envelopes with a stainless steel scoop. Analytical data for gold, silver, copper, lead and zinc area presented on Figures 4, 5 and 6 (in pocket) with analytical results presented in Appendix B. Grid locations are showing on geochemical plans which are referenced to the claim location map (Figure 1). A total of about 70 soil samples were collected and are stored for future analytical work.

## REGIONAL GEOLOGY (Figures 2)

The area east of Vernon is underlain mainly by rocks of the Permian/Pennsylvanian age 'Thompson Assemblage' which represent an accreted terrain previously mapped as "Cache Creek Group". Intruding these rocks are large masses of Mesozoic granitiod rocks collectively referred to as the 'Nelson Batholith' and smaller intrusive masses of Cenozoic age. Capping all younger rocks are Tertiary basaltic volcanics of the Kamloops Group (Jones, 1959; Okulitch, 1979).


Lumby
SHUSWAP R
HWY 6
PITA29
RIVER
Nicklen Cr
Loch Katrine
Ireland Cr
Bruer Cr
Fall Cr
Kettle R
50°00'
SCALE 1:4 MILES
4 2 0 4
PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
P. A. Christopher
LEGEND
8 Pleistocene and Recent
7 Tertiary Basalts
6 Phoenix Volcanics Group
5 Valhalla Intrusions
4 Nelson Intrusions
3 Cache Creek Group
(DIV. A, B, C,)
2 Anarchist Group
1 Monashee Group
Approach Resources Ltd.
REGIONAL GEOLOGY MAP
Pita Claims
NTS: 82L/1W, 2E
Vernon Mining Division
October, 1986
Figure 2
P.A. Christopher & Associates Ltd.

Underlying the Okanagan Valley is a west-dipping major tectonic zone known as the Okanagan Shear Zone, and to the northeast is the Columbia Fault zone, a major east-dipping shear. North of the area, the Monashee Complex is a strongly deformed core of Aphebian basement gneiss surrounded by metamorphosed Proterozoic sedimentary rocks. The doubly-plunging antiformal system encompassing the Thor-Odin and Frenchmans Cap gneiss domes is bounded on the west by the Monashee Decollement and on the east by the Columbia River Fault Zone. The Selkirk Allochthon (Shuswap Complex), a high grade metamorphic assemblage surrounds the Monashee Complex. To the west of this, the Quesnel Trough comprises Mesozoic volcanics and intrusives, and to the east the Kootenay Arc includes Proterozoic 'Belt' and Purcell Group sedimentary rocks.

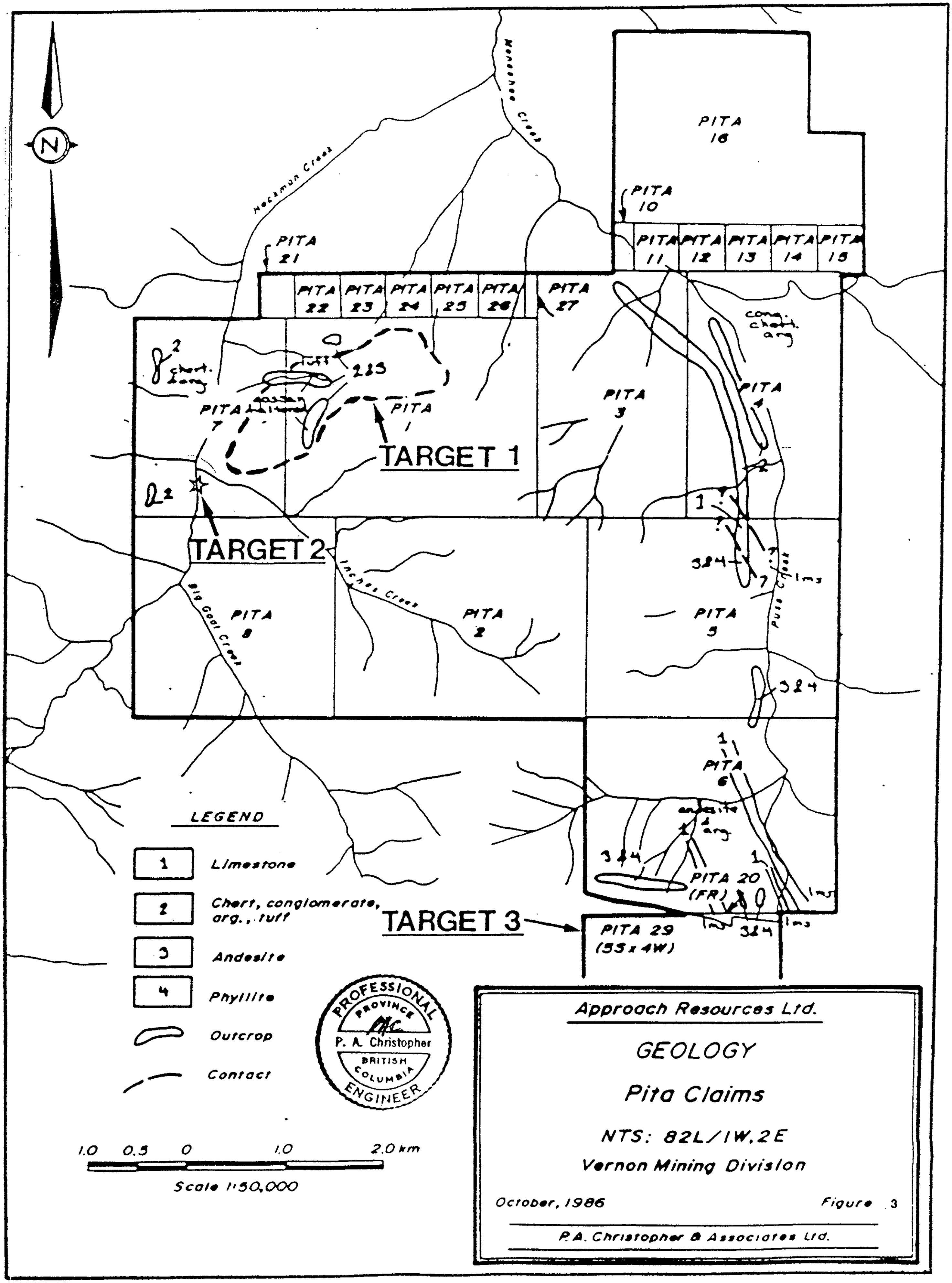
Regional geology, as mapped by Jones, (1959) is shown in Figure 2.

<u>PROPERTY GEOLOGY</u> (Figure 3)

The Pita Property is underlain by rocks of the 'Slocan Assemblage' (Triassic) and 'Thompson Assemblage' (Cache Creek equivalent) except in the southeast, where granitoid rocks of the 'Nelson Batholith' occur, and in scattered areas where Kamloops Group volcanics cap the Thompson Assemblage rocks. The Pita claim property geology was mapped (Figure 3) during the 1986 work program (Christopher, 1987a).

On the north side of Monashee Creek, Unit 3B of Jones includes tuffs, andesitic lavas, and argillaceous sediments. The rocks are, according to Okulitch, (1979), correlated with the Late Triassic 'Slocan Assemblage'. The rocks are described by Waldner (1985), as "northwesterly-trending, prominently bedded, dark, calcareous argillites and blue-green fine-grained andesites". The rocks strike North 30 degrees west and dip southwesterly in most areas. Minor calcite veinlets exist, but quartz veining is rare and the argillites are unmineralized. In addition to the andesites, coarse volcanic breccias occur on the west side of the area with hornblende porphyry dykes. Minor pyrite in quartz-calcite veins was seen by Waldner, but no mineral occurrences are known north of Monashee Creek.

On the south and west sides of Monashee Creek, Jones has mapped units 3B and 3C; unit 3B is probably correlative with the Slocan Assemblage as described for the north part of the property, while unit 3C is comprised of 'oceanic' terrain - deep water basalts, porphyritic andesites and limestone lenses, such as are seen in road exposures on the plateau - like upland surface at the highest elevations on the property, and also within the nearby Monashee property. Dioritic intrusive complexes with ultramafic dykes occur within this unit and are well exposed in logging clearings. These are younger than the Permian or Pennsylvanian limestone lenses, as indicated by slight skarnification to epidote, garnet and diopside along the margins of the smaller limestone lenses. These basic to ultramafic intrusions are a separate unit from younger Mesozoic intrusions of dioritic to quartz monzonitic composition allied with the Nelson Batholith.



N
Heckman Creek
PITA 21
PITA 10
PITA 16
PITA 11
PITA 12
PITA 13
PITA 14
PITA 15
PITA 22
PITA 23
PITA 24
PITA 25
PITA 26
PITA 27
PITA 7
PITA 1
PITA 3
PITA 4
TARGET 1
TARGET 2
PITA 8
PITA 2
PITA 5
PITA 6
Inches Creek
Big Goat Creek
Puss Creek
tuff
2&3
cong. chert. arg.
324
lms
andesite & arg.
PITA 20 (FR)
TARGET 3
PITA 29 (5S x 4W)
LEGEND
1 Limestone
2 Chert, conglomerate, arg., tuff
3 Andesite
4 Phyllite
Outcrop
Contact
PROFESSIONAL ENGINEER
PROVINCE
P. A. Christopher
BRITISH COLUMBIA
1.0 0.5 0 1.0 2.0 km
Scale 1:50,000
Approach Resources Ltd.
GEOLOGY
Pita Claims
NTS: 82L/1W,2E
Vernon Mining Division
October, 1986
Figure 3
P.A. Christopher & Associates Ltd.

Large areas of the property between Inches Creek and Big Goat Creek are covered with Tertiary basalts of the Kamloops Group. These basalts weather chocolate brown in colour and are characterized by olivine phenocrysts.

A number of fault zones are seen crossing the property. One, north of Inches Creek where it crosses the road at a prominent creek gully, is characterized by strong clay-pyrite alteration. A similar clay rich zone on Pita 2 claim, in a logging clearing east of Line F10 has been trenched by backhoe.

A prominent sericite-pyrite alteration zone, within Target I, is exposed for several hundred meters between 1986 Lines 80N and 82N and on the access road north of Inches Creek. The normally dark green volcanics are bleached and strongly sericitized and sheared, giving them the appearance of "Kuroko" style uppermost footwall alteration. This zone is accompanied by strong pyritization. A steep dry stream gully extends for hundreds of meters westward from just below the road exposures. Bleached altered and pyritized volcanics are accompanied by rusty soil that occurs along the stream gully.

Glacial tills lying above the rock exposures are over 30 feet thick in places, probably giving an effective impermeable cap to inhibit hydromorphic accumulations of metals in soils. At lower elevations, gravel deposits are extensive along Heckman Creek and likely along Big Goat Creek as well. Placer gold particles were seen in numerous pan samples on Heckman Creek and have been reported from Inches Creek.

## MINERALIZATION

The area of the Pita Property was initially selected for exploration by Mohawk Oil because of the favourable geological setting and proximity to a number of mineral occurrence and types in the area. The source of placer gold and silver mineralization in creeks draining the property can not be attributed to known deposits in the Monashee Gold Camp with a yet undetected source likely to occur in the Pita claim area. Recent renewed interest in the Monashee Gold Camp has resulted in a number of gold anomalies being detected in the area. Brican Resources discovered a mineralized shear zone on the Top Property which adjoins the Pita Property on the south. Shannon Grant and Marshal Smith (1984) stated that, "National Resource Exploration Ltd. and Cominco Ltd. outlined several anomalous gold areas on their Keefer Lake Property during 1983. Demus Petro Corp. discovered significant gold anomalies on their Monashee property and reported assays of 6.84 oz./ton gold west of their property. Brican Resources intersected gold mineralization on surface and in drill holes on their claims and later optioned their property to Kerr Addison Mines. Austin Resources also reported strong gold anomalies on their Monashee property optioned from Golden Porphyrite Ltd."

On the Pita Property (Waldner, 1984) suggests the possibility of several types of deposits with potential for base metal deposits as well as skarn, disseminated or fracture filling and epithermal vein mineralization. The main area of interest (Target I, Figure 3) is a hydrothermally altered, gossan area on the Pita 1 & 7 claims in the central part of the property with gold values in the 100-380 ppb range and traces of chalcopyrite, galena and sphalerite exposed in backhoe trenches (Waldner, 1984).

Descriptions of mineral occurrences in the area of the Pita Property follow:

## Placer Deposits

Placer activity centered on the "North Fork" or main stream of Cherry Creek and the "South Fork" or Monashee Pass Creek, but placer mining also occurred on Harris Creek where nuggets to 1 and 3/4 ounces size were found, and some tributary creeks such as Rembler (Porcupine) Creek, and to a small extent on Heckman Creek, where gold may still easily be panned.

The best gold production was from Cherry Creek, where production from 1870's on has yielded at least 5,210 ounces, with nuggets up to 6 1/2 ounces in size. Gold is reported to be of two types: 1) Light, flat scaly particles, resembling fragments of dentists leaf gold; and 2) Less commonly, coarse gold pieces. Benches 100 feet above the creek were mined in 1876 by Chinese miners. Activity died out in 1880's and 1890's. Cherry Creek gold had fineness about 712. Most production occurred from the junction of Cherry Creek and Monashee Creek upstream to 3 1/2 miles above the junction. A second period of placer mining on Monashee Creek occurred from 1930 to 1932.

Harris Creek, south of Lumby, has a short section of pay gravel, but the gold was of higher purity and coarse nuggets were common. Recorded production from 1936 to 1945 has been 455 ounces, with fineness 870 to 878. Production from Heckman Creek is recorded as 4 ounces.

## Hardrock Deposits

### Morgan and St. Paul

The "St. Paul Group" is situated on the summit and northwestern slope of Monashee Mountain. The property is reached by a rough road from Monashee Pass Area. The property was staked in the late 1800's by Morgan. After alternating periods of activity and idleness, the claims were acquired in 1926 by St. Paul Mines Ltd. Recorded production from 1914 to 1927 was 311 tons, from which 136 oz. gold (0.437 oz/ton) and 1,670 oz. silver, (5.37 oz./ton) and minor amounts of lead and zinc were produced. An additional 11 tons of ore from the Toughnut claim averaged 0.50 oz./ton gold and 147.9 oz/ton silver. (Cairns, 1931).

Rocks exposed on the property are mainly green volcanics with some intercalated sediments - these are assumed to be "Thompson Assemblage" rocks of Pennsylvanian/Permian (Cache Creek) age. An intrusive body of diorite exposed in the mine workings is pyritized, with chlorite and carbonate alteration, and has hornfelsed surrounding rocks.

Quartz veins in the upper "Morgan" working carry free gold, along with pyrite, arsenopyrite, and minor sphalerite and galena. The veins in the lower "St. Paul" workings near the diorite contact, are shallowly dipping quartz veins with arsenopyrite, stibnite (?), tetrahedrite, and jamesonite with minor pyrite, pyrrhotite, sphalerite and galena. Native silver occurs as microscopic specks.

Considerable work was done on the prospects in 1974 and 1975 by Coast Interior Ventures Ltd. for owner St. Paul Mines Ltd. Work done included road improvement, surveying, dewatering, underground and surface mapping, magnetometer surveys, a 340 ton sample from the Toughnut showing, and considerable surface stripping.

The prospect currently is owned by Brican Resources Ltd., who report large zones of disseminated arsenopyrite and gold on the east flank of Monashee Mountain. For further reference, Assessment Reports 10967 and 12050 describe work done up to 1983.

## Monashee Pass

Mineralization in the vicinity of Monashee Pass was first discovered by prospector Donald McIntyre in 1880. Claims were staked in 1886; these 5 claims were crown-granted and surveyed, and by 1889, with partner L.W. Riske, he had built a stamp mill to process the silver-rich quartz vein material. In 1897 it was bonded to Captain Molyneaux, and camp buildings were constructed and 1000 feet of tunneling was done.

In 1901, three claims, the McPhail Group: (Rossland, Mascot and Evening Star claims were controlled by Cherry Creek Gold Mining Co., who drove three adits on the Rossland and Evening Star claims. The McPhail Tunnel was 170 feet long, with two raises of 25 and 50 feet, the Evening Star Tunnel was 230 feet long, and an unnamed tunnel was about 300 feet long with a raise 75 to 100 feet long. (J.M. Dawson, 1973).

In 1907, the McPhail group was sold to the Fire Valley Gold Mining Co., but it was 1914 before further work was done, consisting of a long tunnel 500 feet below the previous workings. This tunnel was terminated at the outset of World War I, at the 800 foot mark, short of the target. No veins were intersected and the tunnel is now caved at the portal. No appreciable work has been done since 1915.

In 1973 the property was owned by Keda Resources (1973) Ltd., and a summary report was prepared by J.M. Dawson, P.Eng. A brief description of the property is summarized from his report.

The property is underlain by Permian to Triassic carbonate and clastic rocks intruded by granitic stocks of the same age as the Nelson Batholith. The limestone has been converted to coarsely crystalline marble in massive beds of pure calcite; no bedding attitudes remain. Clastic rocks include grey to black argillite, impure siltstone, quartzite and green tuffaceous volcanics. A narrow pyroxene lamprophyre dyke is present near the north boundary of Number 4 claim. Near the granite contact limestones are bleached, recrystallized and silicified and clastic rocks are hornfelsed. Some skarn is present, but this is not extensive.

The intrusive, in most areas obscured by overburden, is a pinkish or greyish, fine to medium-grained granodiorite or quartz diorite. Bedding where visible indicates that the sedimentary sequence strikes northwesterly and dips northeast.

Seven quartz veins occur over a 400 foot interval, of these, four are narrow, 2 to 6 inches wide and relatively unmineralized. Three veins, explored by the tunnels, are 1 to 3 feet wide, trend north 50 degrees west and dip 40 to 70 degrees southwest.

The McPhail Vein is traceable on surface for 250 feet. A tunnel driven along the vein for 170 feet has two raises, one of which breaks through to surface. The vein averages 2-3 feet wide on surface but is up to 8 feet wide underground. Mineralization consists of "Scattered bunches of very fine-grained sulphides" - pyrite, galena, and sphalerite and minor chalcopyrite and tetrahedrite.

A second vein, 100 feet north of the McPhail Vein is explored by a 300 foot tunnel. The vein is at least 2 feet wide in places, and is explored by a vertical raise about 80 feet from the face. A sample across 2 feet, about 30 feet from the portal, taken by Dawson in 1973 assayed 0.13 oz/ton gold and 0.79 oz./ton silver. Selected samples have higher grades.

The Evening Star Vein, 2 to 3 feet wide at the portal on a near vertical face, is explored by a 230 foot tunnel. The vein, averaging 2 feet wide. A chip sample taken by Dawson across 3 feet near the portal assayed 0.76 oz./ton gold and 2.9 oz./ton silver.

Skarn rock and hornfels with considerable sulphide was assayed but negligible gold or silver is present in this material.

Reconnaissance soil sampling by Dawson was inhibited by steep terrain, but silver analyses indicated possibility of silver-bearing veins near the north boundary of the claims, (adjacent to Pita 29 claim), which may represent extensions of the veins explored by the adits. Additional work, including VLF-EM surveys were recommended.

The Top Property is situated south of Monashee Pass, adjacent to McIntyre Lake. The property has been explored since about 1973. In 1974 the prospect was known as the Gold 1-10 claims and was under option to New Cinch Uranium Ltd.

At the property, gold-silver mineralization occurs in a west-dipping shear zone that cuts granitic rocks of the Nelson Batholith. Lamprophyre dykes also cut the granites but are earlier than the shear.

In 1974, 4 diamond drill holes totaling 1,004 feet were drilled by New Cinch, adjacent to Highway 6. Vein material was intersected but no assays were published (A.R.# 4946). Pyrite, arsenopyrite and sulphosalts carrying gold and silver values occur in widths from 1 foot to 40 feet in a strong zone of shearing and brecciation traced over 550 feet. The values occur in fault gouge, quartz, carbonate and intensely altered granite.

The property was worked by Brican Resources Ltd. with considerable additional work done from 1980 to 1987, including line-cutting, soil-sampling, magnetic surveys and diamond drilling (see A.R.#'s 9304, 10414, 11191). In 1983, 8 NQ diamond drill holes totaling 324 meters encountered significant gold and silver values with pyrite and arsenopyrite mineralization in intensely altered and sheared granodiorite and trachyte dykes (AR # 12093). In 1984, the property was optioned by Kerr Addison Mines Ltd., who completed 11 NQ diamond drill holes totaling 783 meters (AR # 12749). Brican Resources Ltd. announced (Oct. 21, 1986 News Release) that, "Brican discovered a zone of strong gold-silver mineralization on this property in 1983. Two holes (83-6, 84-9) intersected a 50-foot wide zone of intense epithermal alteration and mineralization which graded between 0.1 and 0.2 oz/ton gold. Further drilling in 1984 indicated that the Discovery Zone was cut-off by faulting. Subsequent surface exploration has discovered what appears to be the faulted extension about 400 feet west of the Discovery Zone."

The Pita 29 claim adjoins the Top Property and was acquired to test for similar mineralization to the north of the Discovery Zone on the Top Property.

## GEOCHEMICAL PROGRAM

The 1987 geochemical program consisted of establishment of 17.5 km of cut grid with soil samples collected at chained and picketed stations placed at 25 meter intervals. A total of 620 sample were collected with 578 samples submitted to Acme Analytical Laboratories Ltd for 30 element ICP and atomic absorption gold analyses. The remaining samples are being stored for future analytical work.

Soil samples were collected from the B horizon at about 20 cm depth, placed in kraft sample bags, dried and submitted for analysis. Certificates of analysis are presented in Appendix B and sample locations and sample locations and results are shown on Figures 4 through 6 (in assessment report pocket). Figure 3 is a compilation map of geochemically anomalous areas detected during the 1986 field program and in programs conducted by Mohawk Oil between 1981 and 1985. Histogram were plotted for eight elements (Cu, Pb, Zn, Ag, Ni, As, Co, and Au) considered to have possible significant response within the grid area. Histogram are presented in Appendix C. Contour intervals for values of interest and anomalous values were selected on the basis of the histogram for the element, previous surveys and comparison with other surveys in the area.

## GEOCHEMICAL RESULTS

Gold values in soils vary from the detection limit of 1 to 131 ppb with a values above 10 ppb considered of interest and values over 30 ppm considered anomalous. For the Pita Property 60 of 637 soil samples are considered of interest with 20 values considered anomalous. Gold values were contoured at >10ppb and >30ppb. Two strongly anomalous values over 100 ppb occur at 8S 2+25W (131 ppb) and at 14S 0+75E (106 ppb).

Silver values in soils and silts vary from a detection limit of 0.1 to 4.6 ppm with the strongest response from line 14S 1+25E. Silver values of 0.6 ppm are considered to be of interest with values above 1.0 ppm considered strongly anomalous. Silver values were contoured at the 0.6 and 1.0 ppm intervals. Silver appears to occur with enhanced copper and zinc with low gold and in multi-element copper, lead, zinc and gold anomalies.

Copper values in soils vary from 8 to 1411 ppm with values over 50 ppm considered of interest and values of 100 ppm strongly anomalous. A total of 43 of 637 samples contained anomalous copper values. Copper occurs as independent anomalies and associated with zinc, zinc-lead, gold-silver and zinc-lead-gold-silver anomalies. Strong copper response occurs with anomalous zinc, lead, gold and silver along east-west and north-south trends in the central part of the grid area and with zinc and silver at the eastern end of lines 14S to 17S.

Zinc values in soils vary from 37 to 1271 ppm with values over 100 ppm of interest and values of 150 considered anomalous. Zinc anomalies generally occur with in multi-element anomalies or with copper and silver. The silver, copper and zinc patterns are similar.

Lead values in soils vary from 2 to 346 ppm with values over 25 ppm of interest and values of 50 ppm considered anomalous. Anomalous lead values generally occur with zinc, silver, copper and gold in multi-element anomalies.

Nickel, Arsenic, and Cobalt values were plotted in histograms with only 21 nickel values over 60 ppm, 11 cobalt values over 30 ppm and 18 arsenic values over 30 ppm. The all 15 nickel values over 90 ppm are from the Pita 29 claim and may reflect the presence of basic dykes in the area.

## DISCUSSION OF PITA PROPERTY

The Pita Property covers about 11,000 acres (4452 ha) of favourable prospecting terrain in the Monashee Gold Camp. The camp has been under exploration by a number of major and junior mining companies which demonstrated the usefulness of geochemical and geophysical methods in defining targets for trenching and drilling. Programs on adjacent and nearby properties have outlined several targets at Keefer Lake, Monashee Mountain and Monashee Pass with drilling on the Top Property intersecting 50 feet grading between 0.1 and 0.2 oz Au/ton.

Previous work on the Pita property indicates that the northwest and central sections contain several zones geochemical anomalous for gold, silver, copper, lead and/or zinc. Geochemical results from the 1987 surveys support previously detected multi-element anomalies (Cu, Pb, Zn, Ag, Au) and areas with anomalous silver-copper-zinc values. East-west and northerly trending multi-element anomalous trends appear to intersect at about baseline 13S with the silver-copper-zinc association at the eastern end of lines 14S to 17S. The east-west and northerly trends are within a previously indicated copper-lead-zinc anomaly and the silver-copper-zinc anomaly in the eastern part of lines 14S to 17S is in the area of a previously indicated silver anomaly (Christopher, 1987a). Trenching of anomalous zones is required to reveal the cause of the anomalous soils and to define precise drill targets.

## CONCLUSIONS AND RECOMMENDATIONS

A geochemical program on the Pita 1 and Pita 7 claims has confirmed and extended a number of geochemically anomalous areas for gold, silver, copper, lead and zinc. The intersection of northerly and east-west trending multi-element anomalous zones at about baseline 13S warrants trenching and possibly drilling. The anomalous silver-copper-zinc zone at the eastern ends of lines 13S to 17S warrants trenching and possibly drilling. Initial drill sites should be selected after completion of a trenching program.

## BIBLIOGRAPHY

Barlee, N.L. 1972. The Guide to Gold Panning in British Columbia. Gold Regions, Methods of Mining and Other Data. pp 124-126.

____________. Gold Creeks and Ghost Towns. East Kootenay, Boundary, West Kootenay, Okanagan and Similkameen. pp 50.

Cairnes, C.E., 1931. St. Paul Group of Mineral Claims, Osoyoos District, B.C. Geological Survey Canada, Summary Report, 1930, No. 2292. Part A pp 116A - 121A.

Callaghan, B., 1982. Geological and Geochemical Report on Geological Mapping and Soil - Silt Sampling Survey Pita 1 - 9 Mineral Claims, for Mohawk Oil Co. Ltd. April 2, 1982.

______________, 1986. Trenching and Geological Mapping Report on the Pita 16 Mineral Claim, Vernon Mining Division for Mohawk Oil Co. Ltd. January 1986.

Chisholm, E.O., 1974. Drilling Report on the Gold 1 - 10 Claims Group, McIntyre Lake Area, Vernon Mining Division. As. Report 4946 prepared for New Cinch Uranium Ltd., April 1974.

Christopher, P. A., 1987a. Geological, Geochemical and Geophysical Report on the Pita Claims, Monashee Pass Area, Vernon Mining Division, British Columbia. Report prepared for Approach Resources Ltd. dated January 12, 1987.

Christopher, P. A., 1987b. Prospecting and Geochemical Report on the Pita 29 Claim, Monashee Pass Area, Vernon Mining Division, British Columbia. Report prepared for Approach Resources Ltd. dated December 11, 1987.

Dawson, J.M., 1973. Geological and Geochemical Report on the Monashee Pass Property. As. Report 4771 prepared for Keda Resources (1973) Ltd. December 14, 1973.

Grant, S., & Marshall Smith, F., 1984. Report on the Pita Claims Property for Mohawk Oil Co. Ltd. October 1984.

Holland, Stuart S., (1980); Placer gold Production of British Columbia. Ministry of Energy, Mines and Petroleum Resources, Bulletin 28. Reprinted 1980.

Jones, A.G., 1959. Vernon Map Area, B.C. G.S.C. Memoir No. 296.

Journeay, M. and Brown, R.L., 1986. Major tectonic boundaries of the Omineca Belt in southern British Columbia: a progress report; in Current Research, Part A, Geol. Surv. Can., Paper 86-1A, pp. 81-88.

Little, H.W., 1957. Kettle River (East Half), Map Area, B.C., B.S.C. Map 6 - 1957.

Ministry of Energy, Mines and Petroleum Resources. Mineral Inventory Computer File and Maps.

Okulitch, A.V., 1979. Geology and Mineral Deposits of the Thompson-Shuswap-Okanagan Region. Parts of 82 and 92. Map 1:250,000 G.S.C. Open File 637.

Paterson, T.W. British Columbia Ghost Town Series. Okanagan-Similkameen. pp 168 - 179.

Read, P.B. 1979. Open File 658 Geology & Mineral Deposits E 1/2. Scale 1:100,000.

Regional Stream Sediment Sampling. 82L. G.S.C. Open File 409 -11.

Waldner, M.W., 1984A. Report on the Geological, Geophysical and Geochemical Programs conducted on the Pita Claims Property for Mohawk Oil Co. Ltd. August 22, 1984.

______________, 1984B. Report on the Induced Polarization Survey conducted on the Pita 1,2,7,8 Claims for Mohawk Oil Co. Ltd. December 1984.

______________, 1985. Report on the Geology and Geochemical Surveys conducted on the Pita 16 Claim for Mohawk Oil Co. Ltd. May 1985.

## CERTIFICATE

I, Peter A. Christopher, with business address at 3707 West 34th Avenue, Vancouver, British Columbia, do hereby certify that:

1) I am a consulting geological engineer registered with the Association of Professional Engineers of British Columbia since 1976.

2) I am a Fellow of the Geological Association of Canada and a member of the Society of Economic Geologists.

3) I hold a B.Sc. (1966) from the State University of New York at Fredonia, a M.A. (1968) from Dartmouth College and a Ph.D. (1973) from the University of British Columbia.

4) I have been practising my profession as a Geologist for over 20 years.

5) I have no direct or indirect interest, nor do I expect to receive any interest directly or indirectly in the property or securities of Approach Resources Ltd.

6) I have based this report on previous exploration experience in the the area of the Pita Property, a review of government and company reports listed in the bibliography, a field examinations conducted by me between September 14th, 1986 and October 4th, 1986; on October 4th and 5th, 1987; and on the results of the exploration program summarized in this report and in the assessment report prepared on the 1986 work program (Christopher, 1987a).

7) I consent to the use of this report by Approach Resources Ltd., for any Filing Statement, Statement of Material Facts or filing of Assessment Work.

Peter A. Christopher, Ph.D., P.Eng.
December 16, 1987

PROFESSIONAL ENGINEER — PROVINCE OF BRITISH COLUMBIA — P. A. Christopher

# APPENDIX A: COST STATEMENT

| | | | |
|---|---|---|---|
| **Personnel** | | | |
| P.A. Christopher P.Eng. | Oct. 3,5,15/87 @ $400ea. | | $ 1200.00 |
| John Lisseu Surveyor | Oct. 4-10/87 @ $160ea | | 1120.00 |
| Frank Haidlauf Prospector | " " @ $160ea | | 1120.00 |
| John Green Prospector | Oct. 5-10/87 @ $160ea | | 960.00 |
| Mob.-Demob. | | | 800.00 |
| **Room & Board** | 23 man days @ $45ea | | 1035.00 |
| **Transportation** | | | |
| Vehicle | 4x4 8.5 days @ $40ea | | 320.00 |
| Mileage | 2100 km @ 0.17km. | | 357.00 |
| Vehicle | 2x4 608 km @ 0.25/km | | 152.00 |
| Airfare | 1 return Kelowna | | 213.00 |
| Cab & Airporters | | | 27.00 |
| **Expendables** | | | |
| Rentals | Saw | | 200.00 |
| Consumables | | | |
| Fuel, Oil (saws) | | 12.24 | |
| Flagging | 3 doz. @ 15.50ea. | 42.50 | |
| Sample Bags | 800 @ 0.19 ea. | 142.00 | |
| Hip Chain | 10 rolls @ $3.75ea. | 33.75 | |
| Markers | 4 @ $1.50ea. | 6.00 | |
| Field Books | 3 @ $300 ea. | 9.00 | |
| Paint; Pickets, nails & Tags | | 27.89 | |
| Pick Handles, File | | 31.77 | |
| | | 305.15 | 305.15 |
| Phone | | | 100.00 |
| **Geochemical Costs** | | | |
| Soils | 578 @ $11/sample | | 6358.00 |
| Histograms | | | 55.00 |
| **Drafting** | 20hrs. @ $17ea. | | 340.00 |
| **Word Processing, Copies, Binding, Office Misc.** | | | 250.00 |
| **Report Writing and Preparation** | | | 2537.85 |
| | Total Costs | | $ 17450.00 |

Peter A. Christopher, P.Eng.
December 16, 1987

# APPENDIX B

## Certificates of Analysis

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158 FAX (604) 253-1716

# GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-18 SOIL P19-ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: NOV 6 1987 DATE REPORT MAILED: Nov 19/87 ASSAYER. D. Toye. DEAN TOYE, CERTIFIED B.C. ASSAYER

PETER A. CHRISTOPHER PROJECT-PITA PROJECT File # 87-5516 Page 1

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4+00S 5+00W | 1 | 44 | 10 | 93 | .1 | 21 | 11 | 501 | 3.26 | 8 | 5 | ND | 3 | 29 | 1 | 2 | 2 | 55 | .33 | .063 | 5 | 27 | 1.15 | 78 | .12 | 3 | 2.46 | .02 | .13 | 1 | 1 |
| 4+00S 4+75W | 1 | 68 | 7 | 83 | .8 | 25 | 11 | 642 | 2.84 | 23 | 5 | ND | 2 | 173 | 1 | 3 | 2 | 41 | 10.28 | .081 | 9 | 30 | .86 | 137 | .07 | 3 | 1.53 | .02 | .18 | 1 | 1 |
| 4+00S 4+50W | 1 | 53 | 8 | 124 | .2 | 29 | 15 | 711 | 3.93 | 16 | 5 | ND | 4 | 39 | 1 | 2 | 2 | 67 | .49 | .061 | 12 | 39 | 1.23 | 95 | .10 | 2 | 2.31 | .02 | .16 | 1 | 1 |
| 4+00S 4+25W | 2 | 66 | 11 | 99 | .1 | 31 | 15 | 717 | 3.89 | 27 | 5 | ND | 3 | 38 | 1 | 2 | 2 | 62 | .55 | .060 | 14 | 36 | 1.20 | 83 | .10 | 2 | 2.12 | .02 | .19 | 1 | 1 |
| 4+00S 4+00W | 1 | 28 | 10 | 94 | .2 | 22 | 11 | 856 | 3.47 | 7 | 5 | ND | 1 | 66 | 1 | 2 | 2 | 66 | .49 | .112 | 10 | 32 | .80 | 153 | .09 | 2 | 2.28 | .02 | .14 | 1 | 1 |
| 4+00S 3+75W | 1 | 62 | 19 | 99 | .1 | 31 | 13 | 618 | 3.64 | 9 | 5 | ND | 3 | 82 | 1 | 2 | 2 | 67 | 1.20 | .047 | 17 | 39 | 1.07 | 99 | .10 | 2 | 2.09 | .02 | .10 | 1 | 2 |
| 4+00S 3+50W | 1 | 57 | 13 | 106 | .3 | 29 | 12 | 662 | 3.78 | 12 | 5 | ND | 3 | 83 | 1 | 2 | 2 | 77 | .77 | .065 | 18 | 40 | 1.10 | 136 | .10 | 2 | 2.33 | .02 | .16 | 1 | 2 |
| 4+00S 3+25W | 2 | 47 | 9 | 114 | .1 | 26 | 14 | 785 | 3.59 | 16 | 5 | ND | 4 | 40 | 1 | 2 | 2 | 55 | .48 | .066 | 12 | 35 | 1.16 | 89 | .09 | 2 | 1.91 | .01 | .17 | 1 | 3 |
| 4+00S 3+00W | 1 | 14 | 8 | 91 | .4 | 20 | 8 | 418 | 2.37 | 8 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 31 | .36 | .172 | 6 | 21 | .43 | 81 | .09 | 3 | 3.16 | .02 | .09 | 1 | 2 |
| 4+00S 2+75W | 1 | 37 | 8 | 141 | .1 | 23 | 10 | 1785 | 2.98 | 11 | 5 | ND | 3 | 59 | 1 | 2 | 2 | 43 | .51 | .083 | 9 | 27 | .85 | 210 | .08 | 4 | 1.68 | .02 | .14 | 1 | 1 |
| 4+00S 2+50W | 1 | 18 | 8 | 108 | .1 | 23 | 9 | 633 | 2.42 | 19 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 34 | .27 | .328 | 5 | 18 | .39 | 190 | .09 | 2 | 2.92 | .02 | .09 | 1 | 1 |
| 4+00S 2+25W | 1 | 55 | 7 | 75 | .1 | 21 | 13 | 425 | 3.76 | 17 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 66 | .32 | .050 | 5 | 24 | 1.26 | 58 | .13 | 2 | 2.20 | .01 | .14 | 1 | 1 |
| 4+00S 2+00W | 1 | 41 | 9 | 81 | .1 | 18 | 14 | 947 | 3.28 | 16 | 5 | ND | 1 | 37 | 1 | 2 | 2 | 57 | .41 | .081 | 5 | 22 | 1.07 | 119 | .12 | 4 | 2.18 | .01 | .10 | 1 | 1 |
| 4+00S 1+75W | 1 | 48 | 5 | 55 | .1 | 14 | 10 | 406 | 3.12 | 10 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 62 | .40 | .031 | 4 | 21 | 1.10 | 51 | .15 | 3 | 2.07 | .01 | .06 | 1 | 1 |
| 4+00S 1+50W | 1 | 30 | 8 | 71 | .1 | 20 | 11 | 352 | 2.68 | 12 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 48 | .31 | .039 | 4 | 18 | .83 | 104 | .14 | 2 | 2.65 | .02 | .07 | 1 | 2 |
| 4+00S 1+25W | 1 | 42 | 6 | 62 | .1 | 16 | 12 | 481 | 3.00 | 13 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 57 | .34 | .039 | 4 | 19 | 1.00 | 85 | .14 | 3 | 2.33 | .01 | .06 | 1 | 1 |
| 4+00S 1+00W | 1 | 36 | 6 | 96 | .1 | 18 | 13 | 787 | 3.17 | 11 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 57 | .36 | .068 | 4 | 22 | 1.04 | 115 | .14 | 2 | 2.64 | .01 | .10 | 1 | 1 |
| 4+00S 0+75W | 1 | 19 | 6 | 79 | .1 | 15 | 8 | 649 | 2.07 | 13 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 35 | .21 | .087 | 4 | 14 | .50 | 121 | .11 | 4 | 2.39 | .02 | .07 | 1 | 1 |
| 4+00S 0+50W | 1 | 23 | 11 | 79 | .1 | 21 | 10 | 501 | 2.52 | 15 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 41 | .33 | .148 | 4 | 17 | .70 | 138 | .11 | 2 | 2.73 | .02 | .09 | 1 | 1 |
| 4+00S 0+25W | 1 | 30 | 8 | 113 | .1 | 27 | 11 | 518 | 3.13 | 23 | 5 | ND | 2 | 36 | 1 | 2 | 2 | 46 | .30 | .144 | 6 | 24 | .76 | 148 | .08 | 2 | 2.21 | .01 | .10 | 1 | 1 |
| 4+00S 0+00 | 2 | 75 | 6 | 90 | .1 | 35 | 12 | 512 | 3.85 | 29 | 5 | ND | 3 | 30 | 1 | 2 | 2 | 53 | .29 | .030 | 16 | 53 | 1.08 | 66 | .09 | 2 | 1.75 | .01 | .21 | 1 | 2 |
| 4+00S 0+25E | 1 | 34 | 9 | 78 | .1 | 18 | 11 | 411 | 2.77 | 14 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 46 | .32 | .133 | 6 | 19 | .71 | 105 | .12 | 2 | 3.15 | .02 | .08 | 1 | 1 |
| 4+00S 0+50E | 1 | 23 | 6 | 94 | .3 | 17 | 9 | 525 | 2.11 | 16 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 32 | .17 | .254 | 4 | 13 | .34 | 170 | .11 | 3 | 3.52 | .02 | .06 | 1 | 1 |
| 4+00S 0+75E | 2 | 20 | 4 | 60 | .1 | 12 | 8 | 1280 | 2.02 | 12 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 32 | .19 | .210 | 4 | 15 | .40 | 103 | .10 | 2 | 2.51 | .02 | .06 | 1 | 1 |
| 4+00S 1+00E | 1 | 17 | 2 | 55 | .1 | 14 | 6 | 403 | 1.55 | 4 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 23 | .30 | .066 | 6 | 10 | .26 | 69 | .10 | 3 | 2.54 | .03 | .08 | 2 | 1 |
| 4+00S 1+25E | 1 | 41 | 10 | 60 | .1 | 20 | 12 | 305 | 3.01 | 14 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 51 | .45 | .028 | 7 | 20 | .90 | 50 | .14 | 2 | 2.79 | .02 | .08 | 1 | 1 |
| 4+00S 1+50E | 1 | 64 | 10 | 69 | .1 | 22 | 15 | 569 | 3.46 | 16 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 56 | .50 | .057 | 9 | 23 | .97 | 73 | .11 | 3 | 2.70 | .02 | .08 | 1 | 1 |
| 4+00S 1+75E | 1 | 18 | 2 | 96 | .1 | 20 | 9 | 476 | 2.45 | 9 | 5 | ND | 3 | 30 | 1 | 2 | 2 | 39 | .32 | .104 | 5 | 18 | .62 | 127 | .10 | 4 | 2.55 | .02 | .10 | 1 | 1 |
| 4+00S 2+00E | 1 | 27 | 2 | 88 | .1 | 28 | 10 | 570 | 2.65 | 21 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 37 | .29 | .116 | 7 | 24 | .53 | 142 | .09 | 2 | 2.77 | .02 | .09 | 1 | 1 |
| 4+00S 2+25E | 2 | 51 | 8 | 93 | .1 | 34 | 13 | 366 | 3.77 | 30 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 54 | .31 | .040 | 8 | 35 | 1.10 | 66 | .09 | 2 | 2.07 | .01 | .10 | 1 | 2 |
| 4+00S 2+50E | 1 | 61 | 6 | 99 | .2 | 30 | 17 | 710 | 3.68 | 22 | 5 | ND | 2 | 35 | 1 | 2 | 2 | 60 | .50 | .072 | 9 | 29 | 1.04 | 121 | .10 | 5 | 2.84 | .01 | .11 | 1 | 1 |
| 4+00S 2+75E | 1 | 25 | 7 | 135 | .1 | 42 | 11 | 618 | 2.87 | 20 | 5 | ND | 2 | 36 | 1 | 2 | 2 | 35 | .30 | .082 | 9 | 31 | .55 | 200 | .08 | 3 | 2.83 | .02 | .15 | 1 | 1 |
| 4+00S 3+00E | 1 | 24 | 2 | 66 | .1 | 34 | 11 | 388 | 2.57 | 17 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 33 | .27 | .031 | 7 | 22 | .48 | 185 | .09 | 2 | 3.31 | .03 | .11 | 1 | 2 |
| 4+00S 3+25E | 1 | 31 | 8 | 83 | .1 | 20 | 13 | 554 | 2.54 | 16 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 40 | .24 | .052 | 6 | 19 | .66 | 168 | .11 | 3 | 2.90 | .02 | .09 | 1 | 4 |
| 4+00S 3+50E | 1 | 52 | 16 | 102 | .3 | 24 | 17 | 554 | 2.98 | 24 | 5 | ND | 3 | 38 | 1 | 2 | 2 | 47 | .44 | .069 | 7 | 23 | .67 | 148 | .11 | 3 | 3.54 | .02 | .13 | 1 | 2 |
| 4+00S 3+75E | 1 | 41 | 8 | 94 | .1 | 27 | 15 | 449 | 3.25 | 17 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 54 | .35 | .017 | 11 | 28 | .78 | 95 | .11 | 2 | 2.97 | .02 | .11 | 1 | 1 |
| STD C/AU-S | 19 | 61 | 36 | 132 | 7.5 | 69 | 30 | 1061 | 3.91 | 40 | 20 | 8 | 39 | 53 | 18 | 17 | 22 | 58 | .46 | .086 | 40 | 61 | .86 | 180 | .07 | 39 | 1.92 | .07 | .14 | 11 | 49 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4+00S 4+00E | 1 | 33 | 9 | 87 | .1 | 27 | 10 | 283 | 3.09 | 16 | 5 | ND | 4 | 26 | 1 | 2 | 2 | 38 | .29 | .034 | 9 | 27 | .72 | 115 | .09 | 6 | 2.46 | .02 | .18 | 1 | 1 |
| STD C/AU-S | 19 | 58 | 39 | 127 | 7.1 | 65 | 27 | 1043 | 3.96 | 39 | 15 | 8 | 37 | 51 | 18 | 18 | 19 | 56 | .45 | .085 | 38 | 60 | .86 | 162 | .06 | 34 | 1.84 | .06 | .14 | 13 | 50 |
| 4+00S 4+25E | 1 | 24 | 6 | 79 | .1 | 18 | 10 | 478 | 2.28 | 12 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 34 | .28 | .078 | 6 | 18 | .52 | 108 | .09 | 4 | 2.61 | .03 | .14 | 1 | 1 |
| 4+00S 4+50E | 1 | 39 | 9 | 99 | .2 | 21 | 14 | 941 | 2.96 | 9 | 5 | ND | 3 | 33 | 1 | 2 | 2 | 45 | .38 | .052 | 8 | 19 | .74 | 190 | .11 | 4 | 3.16 | .02 | .12 | 1 | 1 |
| 4+00S 4+75E | 2 | 46 | 8 | 77 | .1 | 21 | 13 | 586 | 3.27 | 17 | 5 | ND | 2 | 27 | 1 | 3 | 2 | 49 | .32 | .028 | 8 | 22 | .76 | 99 | .11 | 8 | 2.56 | .02 | .14 | 1 | 1 |
| 4+00S 5+00E | 3 | 44 | 11 | 166 | .6 | 25 | 17 | 1322 | 3.00 | 13 | 5 | ND | 2 | 39 | 1 | 4 | 2 | 46 | .46 | .039 | 8 | 17 | .57 | 131 | .09 | 3 | 2.51 | .02 | .16 | 1 | 1 |
| 6+00S 5+00W | 1 | 50 | 8 | 98 | .2 | 27 | 11 | 328 | 3.28 | 18 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 41 | .28 | .119 | 5 | 23 | .75 | 129 | .11 | 2 | 3.33 | .02 | .10 | 1 | 1 |
| 6+00S 4+75W | 1 | 19 | 7 | 83 | .3 | 18 | 7 | 561 | 1.99 | 10 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 25 | .20 | .126 | 6 | 14 | .32 | 119 | .10 | 3 | 3.05 | .03 | .06 | 1 | 7 |
| 6+00S 4+50W | 1 | 23 | 13 | 122 | .2 | 23 | 10 | 384 | 2.73 | 11 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 36 | .24 | .091 | 5 | 23 | .70 | 110 | .10 | 3 | 2.79 | .02 | .07 | 1 | 1 |
| 6+00S 4+25W | 2 | 66 | 19 | 121 | .3 | 23 | 14 | 604 | 3.40 | 17 | 5 | ND | 2 | 27 | 1 | 2 | 3 | 41 | .31 | .072 | 6 | 30 | .99 | 85 | .10 | 2 | 2.33 | .02 | .08 | 1 | 4 |
| 6+00S 4+00W | 1 | 39 | 19 | 117 | .1 | 20 | 11 | 639 | 3.51 | 16 | 5 | ND | 1 | 27 | 1 | 2 | 4 | 49 | .23 | .064 | 5 | 29 | 1.19 | 104 | .10 | 4 | 2.14 | .02 | .06 | 1 | 1 |
| 6+00S 3+75W | 1 | 12 | 7 | 105 | .1 | 17 | 6 | 680 | 1.61 | 5 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 19 | .22 | .159 | 4 | 10 | .17 | 102 | .09 | 4 | 2.98 | .02 | .05 | 1 | 1 |
| 6+00S 3+50W | 2 | 46 | 14 | 89 | .3 | 20 | 13 | 349 | 3.72 | 23 | 5 | ND | 2 | 17 | 1 | 2 | 3 | 45 | .19 | .059 | 4 | 26 | .98 | 64 | .12 | 3 | 1.91 | .01 | .05 | 1 | 1 |
| 6+00S 3+25W | 1 | 19 | 7 | 76 | .5 | 23 | 8 | 364 | 2.26 | 14 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 31 | .17 | .125 | 6 | 15 | .39 | 135 | .11 | 3 | 3.24 | .02 | .09 | 1 | 1 |
| 6+00S 3+00W | 1 | 18 | 6 | 108 | .2 | 26 | 9 | 461 | 2.65 | 14 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 37 | .26 | .097 | 5 | 20 | .61 | 125 | .10 | 6 | 2.54 | .02 | .10 | 1 | 78 |
| 6+00S 2+75W | 1 | 33 | 4 | 124 | .3 | 28 | 12 | 587 | 3.17 | 14 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 46 | .31 | .080 | 6 | 26 | .86 | 105 | .10 | 6 | 2.37 | .01 | .13 | 1 | 25 |
| 6+00S 2+50W | 1 | 15 | 8 | 138 | .1 | 25 | 10 | 642 | 2.41 | 9 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 36 | .31 | .053 | 6 | 21 | .61 | 160 | .10 | 3 | 2.52 | .02 | .13 | 1 | 4 |
| 6+00S 2+25W | 1 | 21 | 8 | 80 | .1 | 23 | 9 | 349 | 2.78 | 9 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 43 | .29 | .026 | 6 | 23 | .83 | 106 | .12 | 3 | 2.57 | .02 | .13 | 1 | 1 |
| 6+00S 2+00W | 1 | 27 | 5 | 75 | .1 | 20 | 9 | 496 | 2.79 | 12 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 42 | .27 | .041 | 6 | 23 | .82 | 114 | .10 | 2 | 2.17 | .02 | .12 | 1 | 1 |
| 6+00S 1+75W | 1 | 46 | 3 | 87 | .1 | 22 | 14 | 404 | 3.66 | 20 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 58 | .26 | .028 | 7 | 24 | 1.10 | 58 | .13 | 3 | 1.90 | .01 | .09 | 1 | 1 |
| 6+00S 1+50W | 1 | 29 | 4 | 105 | .1 | 21 | 10 | 477 | 2.63 | 7 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 42 | .23 | .062 | 6 | 18 | .73 | 159 | .11 | 3 | 2.69 | .02 | .12 | 1 | 1 |
| 6+00S 1+25W | 1 | 45 | 3 | 85 | .1 | 23 | 13 | 470 | 3.50 | 22 | 5 | ND | 2 | 26 | 1 | 2 | 3 | 54 | .30 | .055 | 5 | 22 | 1.02 | 93 | .11 | 3 | 2.23 | .02 | .09 | 1 | 10 |
| 6+00S 1+00W | 1 | 58 | 2 | 77 | .1 | 24 | 13 | 432 | 3.11 | 17 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 51 | .38 | .079 | 7 | 19 | .70 | 94 | .11 | 2 | 3.08 | .02 | .11 | 1 | 1 |
| 6+00S 0+75W | 1 | 59 | 5 | 76 | .1 | 19 | 12 | 571 | 3.49 | 21 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 59 | .39 | .040 | 5 | 21 | 1.08 | 82 | .13 | 3 | 2.22 | .01 | .09 | 1 | 1 |
| 6+00S 0+50W | 1 | 30 | 3 | 149 | .1 | 21 | 12 | 999 | 3.10 | 8 | 5 | ND | 2 | 35 | 1 | 2 | 2 | 46 | .38 | .135 | 5 | 21 | .94 | 136 | .09 | 2 | 1.99 | .01 | .10 | 1 | 1 |
| 6+00S 0+25W | 1 | 21 | 2 | 106 | .1 | 17 | 10 | 489 | 2.89 | 4 | 5 | ND | 1 | 30 | 1 | 2 | 3 | 46 | .34 | .050 | 6 | 20 | .96 | 122 | .11 | 5 | 2.16 | .02 | .14 | 1 | 1 |
| 6+00S 0+00 | 1 | 36 | 5 | 86 | .1 | 23 | 11 | 313 | 3.31 | 11 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 51 | .28 | .032 | 7 | 29 | 1.00 | 70 | .12 | 3 | 2.46 | .02 | .15 | 1 | 1 |
| 6+00S 0+25E | 1 | 29 | 10 | 96 | .3 | 23 | 9 | 503 | 2.39 | 18 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 33 | .38 | .136 | 5 | 17 | .48 | 137 | .09 | 2 | 2.77 | .03 | .13 | 1 | 1 |
| 6+00S 0+50E | 1 | 23 | 4 | 124 | .1 | 24 | 10 | 408 | 2.54 | 13 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 36 | .36 | .091 | 6 | 21 | .61 | 135 | .10 | 2 | 2.51 | .02 | .14 | 1 | 3 |
| 6+00S 0+75E | 1 | 24 | 6 | 105 | .1 | 21 | 10 | 554 | 2.62 | 10 | 5 | ND | 2 | 33 | 1 | 2 | 4 | 40 | .43 | .084 | 6 | 20 | .66 | 126 | .10 | 3 | 2.38 | .02 | .13 | 1 | 1 |
| 6+00S 1+00E | 1 | 45 | 7 | 79 | .1 | 19 | 11 | 456 | 2.95 | 13 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 49 | .34 | .057 | 5 | 20 | .81 | 90 | .11 | 4 | 2.46 | .02 | .12 | 1 | 1 |
| 6+00S 1+25E | 1 | 30 | 5 | 63 | .1 | 16 | 9 | 295 | 2.47 | 9 | 5 | ND | 2 | 22 | 1 | 2 | 3 | 42 | .27 | .039 | 4 | 16 | .75 | 108 | .11 | 2 | 2.39 | .02 | .07 | 1 | 4 |
| 6+00S 1+50E | 1 | 25 | 7 | 67 | .1 | 17 | 9 | 387 | 2.36 | 11 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 35 | .22 | .056 | 7 | 18 | .57 | 110 | .08 | 4 | 2.10 | .02 | .10 | 1 | 1 |
| 6+00S 1+75E | 1 | 51 | 6 | 96 | .2 | 20 | 11 | 633 | 3.07 | 14 | 5 | ND | 2 | 38 | 1 | 2 | 2 | 46 | .60 | .070 | 6 | 22 | .90 | 108 | .10 | 4 | 2.35 | .02 | .11 | 1 | 3 |
| 6+00S 2+00E | 1 | 39 | 7 | 64 | .1 | 17 | 13 | 439 | 3.95 | 11 | 5 | ND | 1 | 30 | 1 | 2 | 4 | 75 | .41 | .024 | 5 | 22 | 1.54 | 65 | .16 | 2 | 2.65 | .02 | .11 | 1 | 6 |
| 6+00S 2+25E | 1 | 38 | 4 | 61 | .1 | 14 | 13 | 504 | 3.71 | 11 | 5 | ND | 1 | 26 | 1 | 2 | 3 | 72 | .41 | .023 | 4 | 21 | 1.37 | 89 | .16 | 2 | 2.36 | .01 | .06 | 1 | 1 |
| 6+00S 2+50E | 1 | 34 | 9 | 71 | .1 | 15 | 12 | 478 | 3.31 | 12 | 5 | ND | 1 | 23 | 1 | 2 | 3 | 55 | .30 | .020 | 5 | 20 | 1.14 | 96 | .13 | 2 | 2.57 | .01 | .09 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6+00S 2+75E | 1 | 74 | 12 | 78 | .1 | 18 | 19 | 413 | 4.30 | 25 | 5 | ND | 4 | 21 | 1 | 2 | 2 | 79 | .30 | .020 | 6 | 23 | 1.60 | 44 | .15 | 2 | 3.10 | .01 | .09 | 1 | 1 |
| 6+00S 3+00E | 1 | 127 | 18 | 78 | .5 | 22 | 25 | 466 | 4.35 | 49 | 5 | ND | 5 | 62 | 1 | 2 | 2 | 63 | 1.22 | .014 | 14 | 25 | 1.31 | 67 | .14 | 3 | 4.04 | .03 | .11 | 1 | 1 |
| 6+00S 3+25E | 1 | 72 | 9 | 87 | .5 | 19 | 18 | 1050 | 3.70 | 33 | 5 | ND | 2 | 58 | 1 | 2 | 2 | 54 | .90 | .076 | 7 | 23 | .94 | 149 | .11 | 5 | 3.69 | .02 | .17 | 1 | 1 |
| STD C/AU-S | 19 | 59 | 41 | 128 | 7.0 | 66 | 29 | 1019 | 4.03 | 40 | 19 | 8 | 38 | 50 | 18 | 18 | 18 | 56 | .46 | .085 | 38 | 60 | .88 | 166 | .06 | 36 | 1.84 | .06 | .13 | 13 | 52 |
| 6+00S 3+50E | 1 | 57 | 10 | 112 | .1 | 23 | 19 | 469 | 3.34 | 26 | 5 | ND | 3 | 45 | 1 | 2 | 2 | 50 | .39 | .115 | 7 | 22 | .85 | 167 | .15 | 5 | 4.50 | .03 | .09 | 1 | 1 |
| 6+00S 3+75E | 1 | 39 | 12 | 125 | .1 | 22 | 19 | 772 | 3.50 | 26 | 5 | ND | 2 | 37 | 1 | 2 | 2 | 51 | .42 | .093 | 6 | 19 | .80 | 197 | .14 | 5 | 4.00 | .02 | .09 | 1 | 1 |
| 6+00S 4+00E | 1 | 36 | 17 | 109 | .2 | 26 | 17 | 485 | 4.02 | 26 | 5 | ND | 4 | 27 | 1 | 3 | 2 | 59 | .36 | .115 | 8 | 23 | .74 | 88 | .16 | 3 | 4.62 | .02 | .09 | 1 | 2 |
| 6+00S 4+25E | 1 | 39 | 14 | 69 | .2 | 20 | 12 | 418 | 3.36 | 15 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 58 | .43 | .031 | 5 | 24 | .97 | 83 | .12 | 2 | 3.02 | .02 | .09 | 1 | 1 |
| 6+00S 4+50E | 1 | 36 | 11 | 100 | .1 | 19 | 16 | 927 | 3.23 | 20 | 5 | ND | 3 | 40 | 1 | 2 | 2 | 51 | .50 | .086 | 7 | 20 | .87 | 135 | .12 | 2 | 3.28 | .02 | .10 | 1 | 1 |
| 6+00S 4+75E | 1 | 20 | 8 | 79 | .2 | 13 | 8 | 421 | 2.36 | 7 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 28 | .35 | .044 | 5 | 15 | .46 | 177 | .09 | 2 | 2.97 | .03 | .09 | 1 | 1 |
| 6+00S 5+00E | 1 | 58 | 15 | 124 | .1 | 22 | 16 | 822 | 3.70 | 17 | 5 | ND | 3 | 31 | 1 | 2 | 3 | 65 | .35 | .056 | 9 | 25 | .82 | 167 | .15 | 3 | 4.37 | .02 | .11 | 1 | 1 |
| 8+00S 5+00W | 1 | 23 | 11 | 89 | .1 | 25 | 10 | 685 | 2.70 | 26 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 33 | .40 | .110 | 4 | 18 | .51 | 155 | .08 | 2 | 2.44 | .02 | .09 | 1 | 1 |
| 8+00S 4+75W | 1 | 22 | 9 | 99 | .3 | 25 | 10 | 694 | 2.80 | 25 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 35 | .20 | .105 | 5 | 20 | .49 | 130 | .08 | 4 | 2.16 | .02 | .07 | 1 | 1 |
| 8+00S 4+50W | 1 | 29 | 4 | 78 | .1 | 22 | 10 | 421 | 3.14 | 17 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 45 | .30 | .038 | 7 | 24 | .91 | 100 | .10 | 2 | 1.99 | .02 | .12 | 1 | 4 |
| 8+00S 4+25W | 1 | 36 | 6 | 67 | .1 | 19 | 10 | 341 | 3.36 | 11 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 51 | .30 | .017 | 7 | 25 | 1.05 | 75 | .11 | 2 | 1.91 | .01 | .08 | 1 | 15 |
| 8+00S 4+00W | 1 | 32 | 8 | 72 | .1 | 20 | 10 | 354 | 3.26 | 9 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 52 | .33 | .027 | 7 | 25 | 1.06 | 78 | .12 | 2 | 2.13 | .02 | .10 | 1 | 1 |
| 8+00S 3+75W | 1 | 101 | 21 | 94 | .1 | 31 | 20 | 359 | 4.29 | 26 | 5 | ND | 3 | 54 | 1 | 2 | 2 | 58 | .33 | .078 | 8 | 31 | 1.09 | 186 | .13 | 2 | 4.19 | .02 | .12 | 1 | 7 |
| 8+00S 3+50W | 1 | 83 | 12 | 90 | .3 | 31 | 14 | 489 | 4.63 | 28 | 5 | ND | 4 | 38 | 1 | 2 | 2 | 71 | .50 | .039 | 14 | 37 | 1.49 | 78 | .11 | 6 | 2.41 | .02 | .14 | 1 | 2 |
| 8+00S 3+25W | 1 | 63 | 9 | 150 | .5 | 34 | 14 | 660 | 4.21 | 24 | 5 | ND | 4 | 35 | 1 | 2 | 2 | 52 | .45 | .051 | 12 | 37 | 1.18 | 124 | .08 | 3 | 2.12 | .01 | .18 | 1 | 1 |
| 8+00S 3+00W | 1 | 55 | 14 | 90 | .1 | 26 | 13 | 356 | 4.17 | 25 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 58 | .28 | .018 | 7 | 33 | 1.30 | 70 | .11 | 2 | 2.23 | .01 | .06 | 1 | 1 |
| 8+00S 2+75W | 1 | 18 | 10 | 108 | .4 | 19 | 10 | 538 | 2.58 | 13 | 5 | ND | 1 | 33 | 1 | 2 | 2 | 33 | .32 | .081 | 4 | 18 | .51 | 135 | .10 | 2 | 2.52 | .02 | .07 | 1 | 67 |
| 8+00S 2+50W | 1 | 33 | 14 | 96 | .3 | 23 | 12 | 427 | 3.20 | 19 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 47 | .25 | .046 | 4 | 26 | .90 | 113 | .11 | 3 | 2.28 | .01 | .06 | 1 | 23 |
| 8+00S 2+25W | 1 | 42 | 17 | 86 | .1 | 23 | 12 | 362 | 3.43 | 21 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 49 | .29 | .028 | 4 | 25 | .94 | 120 | .13 | 2 | 2.31 | .02 | .09 | 1 | 131 |
| 8+00S 2+00W | 1 | 17 | 11 | 104 | .2 | 20 | 9 | 567 | 2.57 | 15 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 34 | .26 | .107 | 5 | 17 | .48 | 121 | .10 | 4 | 2.53 | .02 | .06 | 1 | 2 |
| 8+00S 1+75W | 1 | 29 | 10 | 100 | .3 | 43 | 11 | 309 | 3.07 | 21 | 5 | ND | 3 | 43 | 1 | 2 | 2 | 38 | .31 | .047 | 6 | 21 | .59 | 245 | .11 | 2 | 3.17 | .02 | .13 | 1 | 5 |
| 8+00S 1+50W | 1 | 19 | 13 | 131 | .3 | 41 | 12 | 556 | 2.62 | 19 | 5 | ND | 2 | 45 | 1 | 2 | 2 | 31 | .34 | .159 | 6 | 19 | .48 | 165 | .10 | 3 | 2.68 | .02 | .11 | 1 | 1 |
| 8+00S 1+25W | 1 | 21 | 2 | 168 | .1 | 42 | 11 | 345 | 2.52 | 13 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 31 | .28 | .059 | 6 | 17 | .44 | 164 | .10 | 2 | 2.76 | .03 | .07 | 1 | 24 |
| 8+00S 1+00W | 4 | 42 | 13 | 156 | .2 | 24 | 11 | 545 | 5.57 | 29 | 5 | ND | 2 | 113 | 1 | 4 | 2 | 36 | .50 | .282 | 7 | 11 | .25 | 205 | .10 | 7 | 2.27 | .03 | .14 | 1 | 1 |
| 8+00S 0+75W | 1 | 44 | 14 | 136 | .4 | 34 | 17 | 480 | 3.52 | 16 | 5 | ND | 3 | 48 | 1 | 2 | 2 | 52 | .36 | .053 | 5 | 19 | .77 | 193 | .13 | 6 | 3.47 | .02 | .09 | 1 | 1 |
| 8+00S 0+50W | 1 | 71 | 11 | 110 | .2 | 30 | 22 | 355 | 3.93 | 12 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 62 | .39 | .083 | 8 | 21 | 1.02 | 67 | .14 | 2 | 3.63 | .02 | .08 | 1 | 1 |
| 8+00S 0+25W | 1 | 40 | 7 | 130 | .1 | 28 | 17 | 637 | 3.51 | 7 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 55 | .37 | .038 | 5 | 20 | 1.00 | 155 | .14 | 3 | 3.16 | .02 | .12 | 1 | 1 |
| 8+00S 0+00 | 1 | 23 | 11 | 84 | .1 | 18 | 10 | 442 | 2.32 | 7 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 36 | .31 | .046 | 4 | 13 | .57 | 175 | .10 | 9 | 2.60 | .02 | .11 | 1 | 73 |
| 8+00S 0+25E | 1 | 45 | 3 | 68 | .1 | 18 | 15 | 480 | 4.17 | 12 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 79 | .41 | .014 | 6 | 23 | 1.53 | 86 | .17 | 2 | 2.92 | .02 | .12 | 1 | 3 |
| 8+00S 0+50E | 1 | 47 | 8 | 150 | .1 | 19 | 15 | 1523 | 3.19 | 12 | 5 | ND | 1 | 58 | 1 | 2 | 2 | 47 | .55 | .172 | 6 | 19 | .97 | 256 | .09 | 8 | 2.52 | .02 | .12 | 1 | 1 |
| 8+00S 0+75E | 1 | 40 | 11 | 93 | .2 | 23 | 12 | 556 | 3.36 | 18 | 5 | ND | 2 | 34 | 1 | 3 | 2 | 49 | .36 | .061 | 7 | 24 | .95 | 124 | .11 | 3 | 2.65 | .02 | .10 | 1 | 1 |
| 8+00S 1+00E | 1 | 53 | 7 | 118 | .1 | 23 | 19 | 997 | 4.03 | 13 | 5 | ND | 2 | 43 | 1 | 2 | 2 | 65 | .51 | .075 | 6 | 25 | 1.32 | 161 | .13 | 4 | 3.10 | .01 | .17 | 1 | 1 |
| 8+00S 1+25E | 1 | 58 | 9 | 102 | .1 | 22 | 20 | 609 | 4.07 | 10 | 5 | ND | 1 | 32 | 1 | 2 | 2 | 73 | .39 | .028 | 6 | 26 | 1.37 | 74 | .16 | 3 | 3.10 | .01 | .09 | 1 | 4 |

PETER A. CHRISTOPHER PROJECT-PITA PROJECT FILE # 87-5516 

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8+00S 1+50E | 1 | 39 | 2 | 67 | .2 | 15 | 11 | 465 | 3.28 | 5 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 57 | .34 | .015 | 4 | 19 | 1.08 | 63 | .14 | 8 | 2.28 | .02 | .06 | 1 | 5 |
| 8+00S 1+75E | 1 | 49 | 2 | 83 | .1 | 24 | 16 | 330 | 3.50 | 6 | 5 | ND | 2 | 26 | 1 | 2 | 3 | 51 | .27 | .037 | 5 | 27 | .96 | 84 | .11 | 5 | 2.81 | .02 | .12 | 1 | 1 |
| 8+00S 2+00E | 1 | 38 | 2 | 89 | .1 | 17 | 12 | 440 | 3.24 | 3 | 5 | ND | 2 | 35 | 1 | 2 | 2 | 49 | .33 | .071 | 5 | 17 | .86 | 137 | .11 | 5 | 3.07 | .02 | .09 | 1 | 1 |
| 8+00S 2+25E | 1 | 42 | 7 | 71 | .1 | 19 | 15 | 410 | 4.04 | 10 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 77 | .40 | .026 | 4 | 22 | 1.29 | 85 | .12 | 4 | 2.95 | .02 | .07 | 1 | 1 |
| 8+00S 2+50E | 1 | 68 | 8 | 103 | .1 | 24 | 28 | 1173 | 4.01 | 15 | 5 | ND | 1 | 46 | 1 | 2 | 2 | 64 | .60 | .121 | 7 | 22 | .91 | 128 | .07 | 6 | 2.64 | .02 | .15 | 1 | 1 |
| 8+00S 2+75E | 1 | 35 | 6 | 85 | .1 | 17 | 15 | 494 | 3.42 | 4 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 47 | .42 | .054 | 5 | 16 | 1.28 | 92 | .12 | 4 | 2.95 | .02 | .15 | 1 | 2 |
| 8+00S 3+00E | 1 | 51 | 2 | 98 | .1 | 13 | 16 | 416 | 3.96 | 8 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 59 | .42 | .050 | 5 | 11 | 1.37 | 49 | .10 | 5 | 3.07 | .01 | .07 | 1 | 1 |
| 8+00S 3+25E | 1 | 65 | 10 | 68 | .2 | 14 | 19 | 783 | 3.62 | 5 | 5 | ND | 3 | 42 | 1 | 2 | 2 | 57 | .77 | .020 | 11 | 18 | 1.05 | 105 | .13 | 6 | 2.95 | .01 | .22 | 1 | 1 |
| 8+00S 3+50E | 1 | 32 | 8 | 68 | .1 | 15 | 14 | 374 | 3.12 | 2 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 44 | .46 | .021 | 4 | 16 | 1.02 | 68 | .13 | 5 | 3.35 | .02 | .09 | 1 | 1 |
| 8+00S 3+75E | 1 | 55 | 4 | 53 | .1 | 12 | 12 | 244 | 2.89 | 2 | 5 | ND | 3 | 28 | 1 | 2 | 2 | 39 | .45 | .013 | 6 | 15 | .81 | 64 | .12 | 4 | 2.82 | .02 | .08 | 1 | 1 |
| 8+00S 4+00E | 1 | 86 | 6 | 90 | .1 | 25 | 17 | 351 | 3.74 | 11 | 5 | ND | 3 | 32 | 1 | 2 | 3 | 56 | .34 | .127 | 6 | 25 | .93 | 113 | .16 | 5 | 4.47 | .02 | .12 | 1 | 1 |
| 8+00S 4+25E | 1 | 34 | 3 | 42 | .2 | 22 | 12 | 211 | 2.68 | 2 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 30 | .35 | .039 | 5 | 17 | .51 | 114 | .12 | 8 | 3.71 | .03 | .16 | 1 | 1 |
| 8+00S 4+50E | 1 | 23 | 3 | 37 | .1 | 13 | 9 | 244 | 1.72 | 2 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 20 | .45 | .031 | 5 | 11 | .36 | 108 | .08 | 6 | 2.24 | .03 | .12 | 1 | 1 |
| 8+00S 4+75E | 1 | 43 | 7 | 109 | .1 | 26 | 18 | 765 | 3.77 | 6 | 5 | ND | 3 | 36 | 1 | 2 | 2 | 57 | .52 | .081 | 8 | 25 | .94 | 154 | .14 | 4 | 3.51 | .02 | .13 | 1 | 1 |
| 8+00S 5+00E | 1 | 84 | 7 | 83 | .2 | 27 | 20 | 438 | 3.68 | 25 | 5 | ND | 4 | 39 | 1 | 2 | 2 | 61 | .41 | .053 | 8 | 28 | .98 | 137 | .14 | 4 | 4.08 | .02 | .12 | 1 | 1 |
| 10+00S 5+00W | 1 | 43 | 8 | 68 | .2 | 19 | 11 | 390 | 3.44 | 6 | 5 | ND | 1 | 31 | 1 | 2 | 2 | 54 | .36 | .032 | 5 | 27 | 1.19 | 84 | .11 | 3 | 2.57 | .01 | .07 | 1 | 1 |
| 10+00S 4+75W | 1 | 60 | 3 | 70 | .1 | 22 | 14 | 544 | 4.35 | 10 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 77 | .35 | .026 | 7 | 26 | 1.52 | 75 | .14 | 2 | 2.69 | .02 | .15 | 1 | 2 |
| 10+00S 4+50W | 1 | 50 | 2 | 67 | .1 | 22 | 10 | 363 | 3.52 | 20 | 5 | ND | 2 | 19 | 1 | 2 | 3 | 51 | .31 | .014 | 8 | 25 | 1.18 | 42 | .12 | 2 | 1.80 | .01 | .08 | 1 | 4 |
| 10+00S 4+25W | 1 | 30 | 2 | 76 | .1 | 24 | 10 | 411 | 3.01 | 12 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 40 | .29 | .047 | 6 | 24 | .85 | 87 | .08 | 6 | 1.81 | .01 | .12 | 1 | 1 |
| 10+00S 4+00W | 1 | 21 | 7 | 81 | .3 | 29 | 10 | 408 | 2.79 | 18 | 5 | ND | 1 | 29 | 1 | 2 | 2 | 36 | .38 | .031 | 5 | 23 | .60 | 163 | .07 | 2 | 2.51 | .02 | .11 | 1 | 1 |
| 10+00S 3+75W | 1 | 40 | 11 | 100 | .2 | 34 | 11 | 361 | 3.40 | 29 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 40 | .22 | .027 | 5 | 25 | .74 | 112 | .08 | 3 | 2.19 | .01 | .08 | 1 | 63 |
| 10+00S 3+50W | 2 | 52 | 5 | 87 | .1 | 33 | 11 | 342 | 3.78 | 30 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 49 | .28 | .020 | 10 | 33 | 1.09 | 79 | .09 | 4 | 1.95 | .01 | .10 | 1 | 9 |
| 10+00S 3+25W | 1 | 48 | 4 | 80 | .1 | 32 | 11 | 439 | 3.70 | 22 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 49 | .29 | .035 | 8 | 28 | 1.02 | 85 | .09 | 4 | 2.06 | .02 | .16 | 1 | 11 |
| 10+00S 3+00W | 1 | 45 | 4 | 97 | .2 | 34 | 12 | 487 | 3.37 | 34 | 5 | ND | 2 | 37 | 1 | 3 | 2 | 39 | .30 | .043 | 6 | 22 | .62 | 135 | .08 | 2 | 2.31 | .02 | .09 | 1 | 52 |
| 10+00S 2+75W | 1 | 44 | 2 | 83 | .2 | 26 | 12 | 418 | 3.67 | 19 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 50 | .29 | .034 | 8 | 30 | 1.07 | 89 | .09 | 4 | 2.07 | .02 | .13 | 1 | 3 |
| 10+00S 2+50W | 1 | 32 | 9 | 73 | .2 | 26 | 11 | 328 | 3.53 | 14 | 5 | ND | 3 | 36 | 1 | 2 | 2 | 50 | .40 | .028 | 7 | 28 | 1.00 | 100 | .11 | 6 | 2.59 | .02 | .15 | 1 | 1 |
| 10+00S 2+25W | 1 | 39 | 8 | 73 | .1 | 24 | 12 | 350 | 3.75 | 20 | 5 | ND | 2 | 26 | 1 | 3 | 2 | 56 | .31 | .025 | 8 | 30 | 1.11 | 76 | .11 | 5 | 2.06 | .02 | .10 | 1 | 1 |
| 10+00S 2+00W | 1 | 36 | 6 | 102 | .2 | 20 | 12 | 442 | 3.62 | 5 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 56 | .33 | .018 | 6 | 24 | 1.15 | 62 | .13 | 2 | 2.41 | .02 | .09 | 1 | 1 |
| 10+00S 1+75W | 3 | 128 | 36 | 148 | .2 | 18 | 21 | 793 | 5.59 | 22 | 5 | ND | 3 | 24 | 1 | 2 | 2 | 55 | .24 | .062 | 9 | 33 | 1.55 | 59 | .11 | 4 | 2.44 | .01 | .07 | 1 | 25 |
| 10+00S 1+50W | 4 | 140 | 77 | 420 | .5 | 23 | 23 | 1015 | 6.40 | 25 | 5 | ND | 2 | 24 | 1 | 5 | 2 | 36 | .17 | .087 | 14 | 23 | 1.15 | 64 | .08 | 2 | 1.92 | .02 | .07 | 1 | 13 |
| 10+00S 1+25W | 3 | 162 | 8 | 102 | .2 | 28 | 23 | 559 | 6.43 | 11 | 5 | ND | 2 | 60 | 1 | 2 | 2 | 74 | .32 | .099 | 6 | 27 | 1.17 | 105 | .15 | 2 | 4.59 | .02 | .09 | 1 | 26 |
| 10+00S 1+00W | 1 | 48 | 8 | 114 | .1 | 16 | 16 | 1499 | 3.60 | 11 | 5 | ND | 1 | 50 | 1 | 2 | 2 | 52 | .56 | .075 | 6 | 24 | 1.07 | 201 | .11 | 5 | 2.46 | .02 | .20 | 1 | 3 |
| 10+00S 0+75W | 1 | 49 | 8 | 70 | .1 | 17 | 14 | 549 | 4.31 | 13 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 80 | .48 | .022 | 5 | 25 | 1.57 | 58 | .17 | 3 | 2.57 | .02 | .15 | 1 | 2 |
| 10+00S 0+50W | 1 | 27 | 5 | 69 | .1 | 16 | 11 | 414 | 3.46 | 9 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 58 | .40 | .018 | 5 | 23 | 1.03 | 67 | .14 | 4 | 2.27 | .02 | .16 | 1 | 1 |
| 10+00S 0+25W | 1 | 40 | 7 | 78 | .2 | 21 | 12 | 320 | 3.63 | 11 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 60 | .39 | .027 | 5 | 24 | 1.03 | 47 | .13 | 3 | 2.41 | .02 | .09 | 1 | 2 |
| 10+00S 0+00 | 1 | 35 | 9 | 153 | .2 | 31 | 14 | 415 | 3.17 | 8 | 5 | ND | 2 | 48 | 1 | 2 | 2 | 44 | .46 | .123 | 5 | 22 | .83 | 121 | .11 | 5 | 3.31 | .02 | .11 | 1 | 2 |
| STD C/AU-S | 18 | 59 | 36 | 133 | 7.0 | 70 | 29 | 1027 | 4.16 | 41 | 14 | 8 | 38 | 51 | 17 | 18 | 20 | 56 | .47 | .085 | 38 | 61 | .87 | 192 | .06 | 34 | 1.96 | .06 | .13 | 12 | 51 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10+00S 0+25E | 1 | 30 | 7 | 128 | .1 | 21 | 12 | 818 | 3.17 | 7 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 45 | .45 | .057 | 6 | 25 | .84 | 126 | .10 | 4 | 2.50 | .02 | .12 | 1 | 2 |
| 10+00S 0+50E | 1 | 36 | 5 | 123 | .1 | 23 | 14 | 549 | 3.27 | 10 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 51 | .33 | .035 | 6 | 29 | .97 | 126 | .10 | 2 | 2.77 | .02 | .10 | 1 | 1 |
| 10+00S 0+75E | 1 | 22 | 12 | 182 | .1 | 18 | 13 | 791 | 2.75 | 15 | 5 | ND | 1 | 22 | 1 | 4 | 2 | 41 | .39 | .049 | 5 | 21 | .79 | 112 | .09 | 5 | 1.88 | .01 | .10 | 1 | 2 |
| 10+00S 1+00E | 1 | 16 | 3 | 390 | .1 | 15 | 8 | 760 | 2.00 | 3 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 32 | .36 | .016 | 4 | 15 | .61 | 68 | .09 | 2 | 1.65 | .02 | .09 | 1 | 2 |
| 10+00S 1+25E | 1 | 17 | 7 | 403 | .1 | 21 | 12 | 1372 | 2.22 | 3 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 32 | .44 | .172 | 5 | 16 | .52 | 139 | .07 | 2 | 2.11 | .02 | .10 | 1 | 2 |
| 10+00S 1+50E | 2 | 71 | 9 | 191 | .1 | 33 | 44 | 597 | 3.77 | 17 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 62 | .31 | .044 | 5 | 21 | .70 | 79 | .12 | 2 | 3.08 | .01 | .06 | 1 | 3 |
| 10+00S 1+75E | 1 | 135 | 19 | 204 | .1 | 39 | 49 | 1019 | 4.54 | 29 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 56 | .45 | .167 | 9 | 31 | 1.12 | 108 | .10 | 2 | 3.92 | .02 | .13 | 1 | 2 |
| 10+00S 2+00E | 1 | 103 | 15 | 152 | .3 | 36 | 32 | 991 | 4.20 | 20 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 69 | .66 | .038 | 12 | 49 | 1.26 | 77 | .10 | 2 | 3.41 | .01 | .11 | 1 | 9 |
| 10+00S 2+25E | 1 | 39 | 10 | 112 | .1 | 22 | 14 | 497 | 3.23 | 8 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 63 | .26 | .019 | 5 | 34 | 1.06 | 103 | .13 | 2 | 2.99 | .01 | .07 | 1 | 2 |
| 10+00S 2+50E | 1 | 29 | 9 | 106 | .3 | 23 | 11 | 278 | 2.59 | 9 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 36 | .38 | .129 | 5 | 19 | .56 | 158 | .09 | 3 | 2.87 | .02 | .11 | 1 | 1 |
| 10+00S 2+75E | 1 | 23 | 3 | 70 | .1 | 14 | 9 | 317 | 2.10 | 3 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 37 | .27 | .023 | 4 | 18 | .66 | 150 | .09 | 2 | 2.28 | .01 | .07 | 1 | 1 |
| 10+00S 3+00E | 1 | 56 | 16 | 171 | .1 | 32 | 20 | 464 | 3.74 | 11 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 61 | .40 | .064 | 7 | 29 | .90 | 155 | .13 | 2 | 4.22 | .02 | .12 | 1 | 1 |
| 10+00S 3+25E | 1 | 41 | 5 | 100 | .1 | 28 | 15 | 415 | 3.28 | 7 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 61 | .35 | .032 | 6 | 31 | 1.01 | 104 | .14 | 2 | 3.22 | .01 | .07 | 1 | 1 |
| 10+00S 3+50E | 1 | 188 | 14 | 63 | 1.6 | 44 | 13 | 301 | 2.88 | 26 | 5 | ND | 2 | 52 | 1 | 2 | 2 | 38 | 1.10 | .012 | 34 | 28 | .45 | 76 | .10 | 3 | 3.52 | .04 | .08 | 1 | 3 |
| 10+00S 3+75E | 1 | 17 | 2 | 97 | .1 | 15 | 8 | 421 | 1.20 | 2 | 5 | ND | 2 | 45 | 1 | 2 | 2 | 17 | .91 | .060 | 3 | 7 | .16 | 77 | .06 | 5 | 1.80 | .03 | .07 | 1 | 2 |
| 10+00S 4+00E | 1 | 19 | 10 | 197 | .1 | 23 | 11 | 910 | 1.90 | 5 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 25 | .50 | .088 | 5 | 15 | .39 | 178 | .08 | 4 | 1.95 | .03 | .09 | 1 | 1 |
| 10+00S 4+25E | 1 | 44 | 10 | 114 | .1 | 35 | 19 | 938 | 3.45 | 5 | 5 | ND | 3 | 29 | 1 | 2 | 2 | 57 | .43 | .032 | 7 | 72 | 1.27 | 140 | .14 | 4 | 3.24 | .02 | .12 | 1 | 1 |
| 10+00S 4+50E | 1 | 21 | 7 | 74 | .1 | 18 | 9 | 284 | 2.48 | 2 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 43 | .38 | .020 | 7 | 23 | .76 | 114 | .11 | 2 | 2.28 | .02 | .10 | 1 | 2 |
| 10+00S 4+75E | 1 | 20 | 11 | 116 | .1 | 21 | 7 | 456 | 1.48 | 2 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 21 | .35 | .092 | 5 | 14 | .37 | 141 | .07 | 2 | 1.68 | .03 | .09 | 1 | 2 |
| 10+00S 5+00E | 1 | 31 | 9 | 113 | .1 | 21 | 11 | 482 | 2.28 | 3 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 34 | .32 | .033 | 5 | 18 | .64 | 184 | .10 | 2 | 2.61 | .02 | .07 | 1 | 12 |
| 11S 8+00W | 1 | 130 | 20 | 81 | .1 | 31 | 16 | 373 | 3.79 | 11 | 5 | ND | 3 | 37 | 1 | 2 | 2 | 60 | .47 | .066 | 7 | 30 | 1.27 | 165 | .13 | 2 | 4.23 | .03 | .14 | 1 | 2 |
| 11S 7+75W | 1 | 100 | 7 | 101 | .1 | 28 | 21 | 572 | 4.16 | 8 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 70 | .45 | .045 | 5 | 27 | 2.15 | 80 | .18 | 2 | 3.73 | .01 | .15 | 1 | 2 |
| STD C/AU-S | 18 | 58 | 38 | 129 | 7.4 | 66 | 28 | 1070 | 3.94 | 38 | 16 | 6 | 37 | 48 | 17 | 17 | 18 | 58 | .49 | .082 | 37 | 56 | .89 | 163 | .06 | 34 | 1.80 | .06 | .13 | 13 | 47 |
| 11S 7+50W | 1 | 48 | 17 | 101 | .1 | 25 | 16 | 1167 | 3.32 | 7 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 52 | .42 | .051 | 5 | 31 | 1.20 | 168 | .12 | 3 | 3.19 | .02 | .12 | 1 | 1 |
| 11S 7+25W | 2 | 53 | 20 | 153 | .4 | 32 | 18 | 969 | 3.93 | 40 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 55 | .39 | .094 | 6 | 32 | 1.18 | 272 | .12 | 6 | 3.55 | .02 | .13 | 1 | 1 |
| 11S 7+00W | 1 | 75 | 11 | 101 | .5 | 52 | 21 | 1037 | 4.56 | 20 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 110 | .48 | .032 | 5 | 141 | 2.86 | 109 | .16 | 2 | 3.56 | .01 | .09 | 1 | 1 |
| 11S 6+75W | 1 | 40 | 13 | 68 | .4 | 18 | 15 | 405 | 3.45 | 17 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 43 | .39 | .015 | 6 | 17 | 1.00 | 126 | .08 | 3 | 3.43 | .02 | .10 | 1 | 2 |
| 11S 6+50W | 1 | 52 | 18 | 90 | .1 | 23 | 16 | 1529 | 3.95 | 27 | 5 | ND | 2 | 17 | 1 | 3 | 2 | 51 | .31 | .049 | 8 | 27 | .94 | 130 | .06 | 2 | 3.32 | .01 | .10 | 1 | 1 |
| 11S 6+25W | 1 | 22 | 15 | 110 | .4 | 17 | 9 | 571 | 2.12 | 11 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 30 | .30 | .054 | 5 | 17 | .35 | 152 | .09 | 5 | 3.08 | .03 | .06 | 1 | 1 |
| 11S 6+00W | 2 | 29 | 33 | 156 | .3 | 30 | 15 | 1167 | 2.80 | 18 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 38 | .63 | .040 | 5 | 37 | .68 | 144 | .09 | 2 | 2.79 | .02 | .10 | 1 | 1 |
| 11S 5+75W | 1 | 52 | 157 | 95 | .2 | 61 | 29 | 1129 | 4.17 | 29 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 65 | .58 | .024 | 11 | 127 | 1.90 | 114 | .10 | 2 | 3.75 | .01 | .09 | 1 | 2 |
| 11S 5+50W | 1 | 35 | 23 | 191 | .1 | 30 | 12 | 719 | 2.83 | 17 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 40 | .30 | .076 | 5 | 44 | .70 | 118 | .10 | 2 | 3.31 | .02 | .08 | 1 | 1 |
| 11S 5+25W | 1 | 63 | 12 | 189 | .1 | 34 | 17 | 636 | 4.30 | 8 | 5 | ND | 3 | 34 | 1 | 2 | 2 | 83 | .72 | .034 | 7 | 54 | 1.24 | 140 | .16 | 2 | 4.69 | .02 | .08 | 1 | 1 |
| 11+00S 5+00W | 1 | 37 | 10 | 121 | .2 | 22 | 11 | 703 | 2.87 | 9 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 40 | .44 | .194 | 5 | 19 | .64 | 185 | .11 | 3 | 3.57 | .02 | .09 | 1 | 1 |
| 11+00S 4+75W | 1 | 33 | 12 | 142 | .3 | 18 | 17 | 2380 | 3.15 | 7 | 5 | ND | 1 | 37 | 1 | 2 | 3 | 44 | .78 | .128 | 6 | 22 | .67 | 332 | .07 | 3 | 2.61 | .01 | .08 | 1 | 58 |
| 11+00S 4+50W | 1 | 82 | 8 | 74 | .1 | 26 | 16 | 522 | 4.49 | 27 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 70 | .48 | .023 | 9 | 29 | 1.31 | 90 | .11 | 2 | 2.72 | .02 | .08 | 1 | 1 |
| 11+00S 4+25W | 1 | 51 | 10 | 56 | .2 | 23 | 15 | 811 | 3.03 | 15 | 5 | ND | 3 | 30 | 1 | 2 | 2 | 43 | .52 | .036 | 10 | 38 | .69 | 109 | .11 | 2 | 3.43 | .02 | .06 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11+00S 4+00W | 1 | 30 | 19 | 123 | .1 | 28 | 14 | 1221 | 4.06 | 27 | 5 | ND | 2 | 22 | 1 | 5 | 3 | 56 | .25 | .074 | 6 | 27 | .72 | 144 | .10 | 2 | 3.09 | .01 | .08 | 1 | 1 |
| 11+00S 3+75W | 1 | 27 | 12 | 122 | .2 | 34 | 13 | 492 | 3.15 | 29 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 39 | .36 | .058 | 6 | 23 | .55 | 162 | .09 | 4 | 3.12 | .02 | .10 | 1 | 1 |
| 11+00S 3+50W | 1 | 30 | 15 | 94 | .1 | 30 | 11 | 574 | 3.03 | 28 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 39 | .27 | .049 | 5 | 22 | .60 | 102 | .10 | 2 | 2.40 | .02 | .08 | 1 | 4 |
| 11+00S 3+25W | 1 | 26 | 12 | 92 | .2 | 39 | 12 | 638 | 3.15 | 37 | 5 | ND | 1 | 36 | 1 | 2 | 2 | 41 | .39 | .084 | 5 | 24 | .57 | 133 | .09 | 2 | 2.72 | .02 | .09 | 1 | 1 |
| 11+00S 3+00W | 1 | 42 | 9 | 73 | .2 | 31 | 12 | 339 | 3.93 | 37 | 5 | ND | 2 | 30 | 1 | 4 | 3 | 57 | .40 | .020 | 7 | 30 | .96 | 67 | .11 | 2 | 2.27 | .01 | .10 | 1 | 1 |
| 11+00S 2+75W | 2 | 52 | 8 | 89 | .2 | 31 | 13 | 527 | 3.79 | 42 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 48 | .42 | .061 | 6 | 25 | .81 | 116 | .09 | 2 | 2.39 | .01 | .12 | 1 | 4 |
| 11+00S 2+50W | 1 | 31 | 6 | 80 | .1 | 32 | 11 | 351 | 3.09 | 41 | 5 | ND | 3 | 30 | 1 | 2 | 2 | 37 | .38 | .054 | 7 | 20 | .46 | 174 | .10 | 2 | 2.72 | .02 | .11 | 1 | 21 |
| 11+00S 2+25W | 1 | 38 | 11 | 72 | .3 | 24 | 11 | 375 | 3.10 | 31 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 42 | .41 | .052 | 5 | 20 | .63 | 87 | .11 | 2 | 2.53 | .02 | .06 | 1 | 4 |
| 11+00S 2+00W | 1 | 40 | 5 | 68 | .1 | 24 | 13 | 500 | 3.77 | 23 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 59 | .36 | .023 | 5 | 24 | 1.05 | 102 | .14 | 2 | 2.65 | .02 | .17 | 1 | 3 |
| 11+00S 1+75W | 1 | 40 | 5 | 70 | .1 | 20 | 14 | 459 | 4.01 | 21 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 72 | .42 | .026 | 5 | 22 | 1.37 | 52 | .15 | 3 | 2.48 | .02 | .11 | 1 | 1 |
| 11+00S 1+50W | 1 | 43 | 7 | 77 | .1 | 21 | 13 | 595 | 3.66 | 24 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 58 | .38 | .035 | 6 | 25 | .99 | 89 | .11 | 3 | 2.41 | .01 | .14 | 1 | 1 |
| 11+00S 1+25W | 1 | 35 | 11 | 67 | .1 | 22 | 10 | 303 | 3.62 | 29 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 59 | .33 | .017 | 7 | 28 | 1.02 | 76 | .12 | 2 | 2.28 | .02 | .08 | 1 | 9 |
| 11+00S 1+00W | 1 | 127 | 12 | 136 | .1 | 34 | 26 | 853 | 3.99 | 27 | 5 | ND | 2 | 44 | 1 | 2 | 2 | 63 | .55 | .095 | 7 | 35 | 1.16 | 127 | .12 | 3 | 3.35 | .02 | .15 | 1 | 45 |
| 11+00S 0+75W | 2 | 98 | 19 | 353 | .1 | 40 | 37 | 1443 | 3.87 | 23 | 5 | ND | 1 | 42 | 1 | 2 | 2 | 43 | .47 | .110 | 8 | 23 | .90 | 147 | .12 | 3 | 2.90 | .01 | .13 | 1 | 1 |
| 11+00S 0+50W | 1 | 59 | 15 | 78 | .2 | 23 | 19 | 643 | 3.81 | 16 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 55 | .38 | .036 | 6 | 30 | 1.26 | 64 | .17 | 2 | 2.65 | .01 | .19 | 1 | 1 |
| 11+00S 0+25W | 1 | 50 | 10 | 59 | .1 | 17 | 13 | 477 | 3.55 | 10 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 63 | .35 | .017 | 5 | 28 | 1.38 | 36 | .18 | 3 | 2.16 | .01 | .05 | 1 | 1 |
| 11+00S 0+00 | 1 | 19 | 5 | 80 | .1 | 13 | 11 | 383 | 3.10 | 2 | 5 | ND | 2 | 27 | 1 | 2 | 4 | 54 | .45 | .016 | 3 | 20 | .99 | 63 | .18 | 2 | 2.23 | .02 | .11 | 1 | 1 |
| 11+00S 0+25E | 1 | 24 | 8 | 70 | .1 | 17 | 10 | 386 | 3.14 | 8 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 55 | .40 | .021 | 4 | 28 | 1.07 | 50 | .17 | 2 | 2.09 | .01 | .12 | 1 | 1 |
| 11+00S 0+50E | 1 | 17 | 7 | 305 | .2 | 26 | 11 | 340 | 2.48 | 8 | 5 | ND | 2 | 21 | 1 | 2 | 3 | 33 | .19 | .110 | 4 | 21 | .59 | 134 | .11 | 2 | 2.43 | .02 | .08 | 1 | 2 |
| 11+00S 0+75E | 1 | 30 | 13 | 208 | .3 | 32 | 17 | 405 | 3.07 | 13 | 5 | ND | 3 | 26 | 1 | 2 | 3 | 39 | .23 | .161 | 5 | 25 | .80 | 120 | .11 | 3 | 2.83 | .02 | .11 | 1 | 1 |
| 11+00S 1+00E | 1 | 17 | 9 | 263 | .1 | 21 | 14 | 903 | 2.28 | 5 | 5 | ND | 1 | 27 | 1 | 3 | 3 | 29 | .24 | .038 | 4 | 17 | .59 | 134 | .10 | 5 | 2.17 | .02 | .09 | 1 | 1 |
| 11+00S 1+25E | 1 | 29 | 8 | 129 | .1 | 19 | 17 | 833 | 2.77 | 6 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 39 | .29 | .036 | 6 | 22 | .74 | 80 | .12 | 4 | 2.09 | .01 | .12 | 1 | 1 |
| STD C/AU-S | 19 | 59 | 36 | 125 | 7.1 | 68 | 29 | 1017 | 4.05 | 40 | 15 | 8 | 38 | 49 | 18 | 18 | 20 | 56 | .45 | .085 | 38 | 59 | .84 | 159 | .06 | 34 | 1.87 | .06 | .14 | 14 | 52 |
| 11+00S 1+50E | 1 | 21 | 11 | 165 | .1 | 20 | 11 | 350 | 2.48 | 5 | 5 | ND | 1 | 31 | 1 | 2 | 3 | 37 | .31 | .031 | 5 | 20 | .68 | 98 | .11 | 6 | 2.27 | .02 | .09 | 1 | 1 |
| 11+00S 1+75E | 1 | 30 | 15 | 162 | .1 | 25 | 16 | 680 | 3.13 | 7 | 5 | ND | 1 | 34 | 1 | 2 | 3 | 48 | .28 | .046 | 6 | 25 | .77 | 154 | .12 | 4 | 2.76 | .01 | .07 | 1 | 1 |
| 11+00S 2+00E | 1 | 26 | 5 | 74 | .1 | 17 | 12 | 522 | 3.42 | 10 | 5 | ND | 2 | 28 | 1 | 2 | 3 | 58 | .37 | .045 | 5 | 23 | 1.09 | 92 | .14 | 5 | 2.38 | .01 | .08 | 1 | 1 |
| 11+00S 2+25E | 1 | 30 | 3 | 82 | .5 | 23 | 16 | 565 | 3.51 | 10 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 62 | .41 | .059 | 4 | 25 | .99 | 86 | .15 | 3 | 2.69 | .02 | .13 | 1 | 61 |
| 11+00S 2+50E | 1 | 36 | 5 | 72 | .1 | 23 | 13 | 540 | 3.23 | 12 | 5 | ND | 2 | 26 | 1 | 2 | 3 | 48 | .28 | .061 | 5 | 37 | 1.06 | 68 | .12 | 3 | 2.18 | .01 | .13 | 1 | 1 |
| 11+00S 2+75E | 1 | 56 | 8 | 89 | .2 | 26 | 18 | 644 | 3.76 | 11 | 5 | ND | 2 | 31 | 1 | 2 | 4 | 65 | .36 | .050 | 6 | 41 | 1.47 | 101 | .14 | 2 | 2.72 | .01 | .08 | 1 | 6 |
| 11+00S 3+00E | 1 | 40 | 13 | 159 | .1 | 27 | 20 | 524 | 2.80 | 10 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 43 | .30 | .092 | 7 | 26 | .67 | 98 | .11 | 3 | 2.83 | .02 | .09 | 1 | 1 |
| 11+00S 3+25E | 1 | 51 | 11 | 254 | .1 | 53 | 13 | 567 | 2.64 | 3 | 5 | ND | 3 | 27 | 1 | 2 | 2 | 34 | .34 | .086 | 13 | 23 | .50 | 127 | .11 | 3 | 3.03 | .02 | .09 | 1 | 1 |
| 11+00S 3+50E | 1 | 17 | 9 | 117 | .1 | 19 | 10 | 502 | 2.08 | 7 | 5 | ND | 2 | 30 | 1 | 2 | 2 | 30 | .24 | .115 | 7 | 21 | .52 | 126 | .09 | 2 | 2.16 | .01 | .08 | 1 | 1 |
| 11+00S 3+75E | 1 | 16 | 9 | 115 | .1 | 19 | 10 | 652 | 1.89 | 2 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 28 | .21 | .057 | 5 | 17 | .43 | 172 | .09 | 2 | 2.30 | .02 | .09 | 1 | 1 |
| 11+00S 4+00E | 1 | 44 | 14 | 100 | .1 | 27 | 12 | 399 | 3.21 | 5 | 5 | ND | 3 | 25 | 1 | 2 | 3 | 53 | .31 | .026 | 9 | 35 | 1.02 | 105 | .14 | 5 | 2.90 | .01 | .09 | 1 | 3 |
| 11+00S 4+25E | 1 | 19 | 7 | 81 | .1 | 18 | 9 | 290 | 2.16 | 2 | 5 | ND | 3 | 21 | 1 | 2 | 2 | 35 | .21 | .022 | 8 | 24 | .56 | 121 | .11 | 2 | 2.41 | .01 | .08 | 1 | 1 |
| 11+00S 4+50E | 1 | 38 | 10 | 83 | .1 | 28 | 12 | 346 | 2.96 | 6 | 5 | ND | 4 | 19 | 1 | 2 | 2 | 50 | .22 | .028 | 11 | 33 | .76 | 131 | .12 | 2 | 2.88 | .01 | .09 | 1 | 1 |
| 11+00S 4+75E | 1 | 32 | 9 | 130 | .3 | 33 | 13 | 437 | 2.95 | 7 | 5 | ND | 3 | 17 | 1 | 2 | 4 | 42 | .18 | .102 | 8 | 29 | .66 | 177 | .11 | 4 | 3.24 | .01 | .09 | 1 | 1 |

PETER A. CHRISTOPHER PROJECT-PITA PROJECT FILE # 87-5516 

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11+00S 5+00E | 1 | 66 | 13 | 133 | .1 | 43 | 19 | 378 | 3.94 | 8 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 52 | .32 | .029 | 12 | 34 | .76 | 120 | .12 | 2 | 3.36 | .02 | .09 | 1 | 7 |
| 12S 5+00W | 1 | 23 | 13 | 98 | .3 | 21 | 9 | 613 | 2.67 | 16 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .43 | .020 | 5 | 23 | .38 | 100 | .06 | 4 | 2.11 | .02 | .07 | 1 | 6 |
| 12S 4+75W | 1 | 25 | 10 | 135 | .1 | 28 | 11 | 469 | 3.01 | 25 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 38 | .20 | .052 | 4 | 41 | .62 | 132 | .07 | 6 | 3.01 | .02 | .09 | 1 | 3 |
| 12S 4+50W | 1 | 29 | 11 | 140 | .1 | 30 | 12 | 841 | 3.64 | 11 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 51 | .31 | .113 | 6 | 35 | .89 | 177 | .10 | 3 | 3.14 | .02 | .11 | 1 | 1 |
| 12S 4+25W | 1 | 26 | 10 | 109 | .1 | 30 | 10 | 324 | 3.11 | 14 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 40 | .23 | .022 | 6 | 31 | .89 | 74 | .08 | 3 | 2.01 | .01 | .08 | 1 | 1 |
| 12S 4+00W | 1 | 13 | 12 | 88 | .1 | 17 | 10 | 439 | 2.31 | 9 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 29 | .32 | .053 | 5 | 13 | .30 | 97 | .12 | 5 | 3.51 | .02 | .06 | 1 | 1 |
| 12S 3+75W | 1 | 25 | 14 | 111 | .1 | 27 | 12 | 361 | 3.19 | 16 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 42 | .25 | .049 | 5 | 25 | .73 | 133 | .07 | 4 | 2.72 | .01 | .08 | 1 | 5 |
| 12S 3+50W | 1 | 26 | 17 | 95 | .1 | 27 | 11 | 742 | 2.91 | 17 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 37 | .38 | .047 | 6 | 25 | .62 | 112 | .08 | 3 | 2.14 | .02 | .11 | 1 | 1 |
| 12S 3+25W | 1 | 16 | 13 | 130 | .1 | 28 | 11 | 333 | 2.75 | 27 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 36 | .35 | .036 | 4 | 22 | .54 | 87 | .09 | 4 | 2.30 | .02 | .07 | 1 | 1 |
| 12S 3+00W | 1 | 10 | 8 | 87 | .1 | 20 | 9 | 472 | 2.27 | 12 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 31 | .33 | .058 | 5 | 21 | .48 | 95 | .07 | 6 | 1.81 | .02 | .09 | 1 | 3 |
| 12S 2+75W | 1 | 36 | 12 | 98 | .1 | 25 | 12 | 494 | 3.15 | 23 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 43 | .25 | .060 | 4 | 22 | .72 | 81 | .10 | 4 | 2.62 | .02 | .06 | 1 | 22 |
| 12S 2+50W | 1 | 26 | 14 | 115 | .1 | 26 | 14 | 602 | 3.57 | 23 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 46 | .35 | .051 | 5 | 26 | .69 | 141 | .09 | 2 | 3.00 | .01 | .10 | 1 | 1 |
| 12S 2+25W | 1 | 39 | 8 | 94 | .1 | 22 | 13 | 1202 | 3.68 | 17 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 49 | .35 | .037 | 6 | 25 | .82 | 244 | .10 | 5 | 3.02 | .01 | .09 | 1 | 1 |
| 12S 2+00W | 1 | 29 | 12 | 95 | .2 | 22 | 12 | 1052 | 3.49 | 13 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 55 | .32 | .061 | 5 | 24 | .69 | 192 | .11 | 6 | 2.78 | .01 | .08 | 1 | 1 |
| 12S 1+75W | 1 | 39 | 11 | 85 | .1 | 21 | 11 | 623 | 4.08 | 22 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 67 | .25 | .045 | 5 | 25 | .69 | 106 | .12 | 4 | 2.64 | .01 | .07 | 1 | 1 |
| 12S 1+50W | 1 | 97 | 19 | 168 | .1 | 31 | 21 | 828 | 4.36 | 22 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 56 | .27 | .069 | 7 | 63 | 1.40 | 63 | .10 | 4 | 2.27 | .01 | .11 | 1 | 2 |
| 12S 1+25W | 1 | 112 | 12 | 161 | .1 | 35 | 35 | 2366 | 3.59 | 25 | 5 | ND | 2 | 41 | 1 | 2 | 2 | 46 | .41 | .107 | 8 | 21 | .73 | 209 | .12 | 2 | 3.70 | .02 | .12 | 2 | 2 |
| 12S 1+00W | 1 | 76 | 9 | 97 | .2 | 22 | 14 | 466 | 3.25 | 14 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 46 | .26 | .053 | 8 | 22 | .68 | 89 | .12 | 5 | 3.20 | .01 | .09 | 2 | 1 |
| 12S 0+75W | 1 | 16 | 3 | 96 | .1 | 17 | 11 | 487 | 2.64 | 10 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 40 | .24 | .033 | 4 | 20 | .66 | 121 | .10 | 3 | 2.47 | .01 | .06 | 2 | 1 |
| 12S 0+50W | 1 | 65 | 7 | 79 | .1 | 18 | 15 | 428 | 3.84 | 18 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 56 | .35 | .017 | 5 | 24 | 1.19 | 62 | .10 | 9 | 2.65 | .01 | .06 | 1 | 1 |
| 12S 0+25W | 1 | 76 | 8 | 121 | .1 | 19 | 34 | 1180 | 4.39 | 33 | 5 | ND | 1 | 45 | 1 | 2 | 2 | 61 | .90 | .073 | 4 | 25 | 1.65 | 101 | .10 | 3 | 3.05 | .01 | .09 | 1 | 1 |
| 12S 0+00 | 1 | 42 | 12 | 417 | .2 | 26 | 17 | 620 | 2.60 | 18 | 5 | ND | 1 | 41 | 2 | 2 | 3 | 23 | .47 | .236 | 8 | 16 | .58 | 101 | .09 | 7 | 2.65 | .03 | .13 | 1 | 3 |
| 12S 0+25E | 2 | 66 | 29 | 610 | .1 | 41 | 52 | 4111 | 4.43 | 19 | 5 | ND | 2 | 70 | 4 | 2 | 2 | 40 | .75 | .092 | 12 | 28 | 1.17 | 318 | .10 | 10 | 3.66 | .02 | .21 | 1 | 1 |
| 12S 0+50E | 2 | 83 | 19 | 365 | .1 | 43 | 48 | 2183 | 4.28 | 15 | 5 | ND | 1 | 40 | 2 | 2 | 2 | 46 | .32 | .037 | 12 | 35 | 1.33 | 114 | .12 | 6 | 2.83 | .01 | .21 | 1 | 1 |
| 12S 0+75E | 2 | 68 | 29 | 430 | .4 | 34 | 43 | 2065 | 5.58 | 16 | 5 | ND | 1 | 51 | 2 | 2 | 2 | 48 | .53 | .067 | 10 | 32 | 1.54 | 140 | .11 | 7 | 3.37 | .01 | .17 | 1 | 4 |
| 12S 1+00E | 1 | 55 | 29 | 229 | .1 | 29 | 21 | 1002 | 5.16 | 19 | 5 | ND | 1 | 35 | 1 | 4 | 2 | 57 | .31 | .057 | 7 | 98 | 2.24 | 88 | .12 | 3 | 3.15 | .01 | .08 | 1 | 2 |
| 12S 1+25E | 1 | 23 | 45 | 318 | .3 | 15 | 15 | 867 | 3.84 | 9 | 5 | ND | 1 | 35 | 1 | 2 | 3 | 36 | .30 | .077 | 6 | 22 | 1.18 | 164 | .09 | 4 | 2.93 | .01 | .06 | 1 | 1 |
| 12S 1+50E | 1 | 20 | 16 | 115 | .2 | 16 | 13 | 398 | 3.25 | 7 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 38 | .22 | .036 | 4 | 19 | .85 | 93 | .10 | 4 | 2.19 | .01 | .07 | 1 | 1 |
| 12S 1+75E | 1 | 20 | 15 | 76 | .4 | 20 | 10 | 306 | 2.51 | 6 | 5 | ND | 2 | 37 | 1 | 2 | 2 | 32 | .22 | .058 | 5 | 16 | .56 | 188 | .10 | 2 | 2.55 | .02 | .06 | 2 | 1 |
| 12S 2+00E | 1 | 17 | 13 | 86 | .2 | 22 | 14 | 563 | 2.65 | 4 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 35 | .21 | .046 | 5 | 21 | .66 | 142 | .10 | 2 | 2.43 | .02 | .08 | 1 | 1 |
| 12S 2+25E | 2 | 111 | 346 | 130 | .4 | 20 | 13 | 565 | 7.16 | 20 | 5 | ND | 2 | 73 | 1 | 4 | 4 | 60 | .09 | .117 | 17 | 37 | 1.56 | 101 | .17 | 7 | 2.77 | .03 | .07 | 1 | 2 |
| 12S 2+50E | 1 | 59 | 83 | 187 | .1 | 28 | 19 | 628 | 4.20 | 19 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 51 | .14 | .056 | 7 | 29 | .73 | 161 | .14 | 3 | 3.03 | .01 | .05 | 1 | 1 |
| 12S 2+75E | 1 | 41 | 11 | 125 | .2 | 25 | 17 | 593 | 3.57 | 14 | 5 | ND | 2 | 21 | 1 | 2 | 4 | 55 | .26 | .017 | 5 | 40 | 1.12 | 69 | .13 | 3 | 2.14 | .01 | .05 | 1 | 4 |
| 12S 3+00E | 1 | 47 | 9 | 220 | .2 | 33 | 23 | 1526 | 3.21 | 14 | 5 | ND | 1 | 23 | 1 | 3 | 2 | 45 | .24 | .074 | 6 | 36 | .99 | 133 | .10 | 3 | 2.27 | .01 | .06 | 2 | 52 |
| 12S 3+25E | 1 | 20 | 11 | 74 | .2 | 27 | 11 | 364 | 2.66 | 12 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 36 | .25 | .089 | 4 | 40 | .63 | 86 | .10 | 2 | 2.24 | .02 | .07 | 1 | 1 |
| 12S 3+50E | 1 | 21 | 13 | 58 | .6 | 23 | 8 | 323 | 2.37 | 8 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 30 | .27 | .081 | 5 | 23 | .32 | 75 | .09 | 4 | 2.78 | .02 | .06 | 1 | 1 |
| STD C/AU-S | 18 | 59 | 36 | 132 | 7.3 | 68 | 29 | 1097 | 4.11 | 41 | 19 | 8 | 38 | 52 | 18 | 16 | 20 | 57 | .46 | .085 | 38 | 61 | .86 | 178 | .06 | 36 | 1.90 | .06 | .14 | 13 | 48 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12S 3+75E | 1 | 12 | 12 | 58 | .4 | 16 | 8 | 291 | 2.27 | 11 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 30 | .26 | .085 | 4 | 14 | .23 | 108 | .11 | 4 | 3.42 | .02 | .06 | 1 | 1 |
| 12S 4+00E | 1 | 26 | 7 | 83 | .1 | 24 | 10 | 285 | 2.38 | 12 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 34 | .22 | .050 | 7 | 21 | .50 | 75 | .09 | 3 | 2.00 | .02 | .07 | 1 | 2 |
| 12S 4+25E | 1 | 15 | 2 | 75 | .1 | 21 | 9 | 284 | 2.34 | 7 | 5 | ND | 2 | 13 | 1 | 3 | 2 | 39 | .18 | .039 | 9 | 25 | .65 | 78 | .11 | 2 | 1.97 | .01 | .08 | 1 | 1 |
| 12S 4+50E | 1 | 25 | 8 | 71 | .1 | 23 | 10 | 395 | 2.65 | 11 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 40 | .26 | .071 | 8 | 26 | .60 | 101 | .11 | 2 | 2.48 | .02 | .10 | 1 | 2 |
| 12S 4+75E | 1 | 38 | 11 | 90 | .4 | 36 | 9 | 496 | 2.77 | 13 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 37 | .45 | .045 | 12 | 29 | .43 | 105 | .11 | 2 | 3.11 | .02 | .09 | 1 | 3 |
| 12S 5+00E | 1 | 27 | 2 | 61 | .1 | 21 | 9 | 187 | 2.36 | 6 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 41 | .27 | .017 | 7 | 23 | .56 | 55 | .11 | 3 | 2.03 | .02 | .07 | 1 | 1 |
| 13S 5+00W | 1 | 26 | 10 | 158 | .1 | 25 | 12 | 1236 | 2.66 | 12 | 5 | ND | 1 | 23 | 1 | 2 | 3 | 35 | .31 | .050 | 6 | 24 | .61 | 180 | .09 | 4 | 2.14 | .02 | .09 | 1 | 1 |
| 13S 4+75W | 1 | 24 | 8 | 104 | .3 | 23 | 12 | 377 | 2.57 | 12 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 35 | .23 | .141 | 6 | 21 | .48 | 174 | .12 | 4 | 3.81 | .02 | .07 | 1 | 5 |
| 13S 4+50W | 1 | 29 | 12 | 110 | .4 | 25 | 16 | 346 | 3.49 | 11 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 50 | .27 | .093 | 7 | 30 | 1.01 | 148 | .12 | 2 | 3.42 | .01 | .08 | 1 | 1 |
| 13S 4+25W | 1 | 26 | 84 | 226 | .1 | 20 | 13 | 519 | 3.75 | 10 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 41 | .32 | .080 | 6 | 24 | 1.20 | 143 | .13 | 2 | 3.07 | .01 | .11 | 1 | 1 |
| 13S 4+00W | 1 | 31 | 25 | 336 | .1 | 28 | 14 | 681 | 3.15 | 12 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 40 | .32 | .063 | 6 | 31 | 1.12 | 133 | .10 | 2 | 3.00 | .01 | .10 | 1 | 1 |
| 13S 3+75W | 1 | 24 | 32 | 230 | .1 | 24 | 12 | 641 | 2.82 | 16 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 35 | .26 | .058 | 5 | 24 | .98 | 133 | .07 | 2 | 2.87 | .01 | .08 | 1 | 2 |
| 13S 3+50W | 1 | 23 | 21 | 130 | .1 | 27 | 11 | 516 | 2.51 | 23 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 35 | .31 | .075 | 5 | 17 | .47 | 120 | .10 | 3 | 3.06 | .02 | .09 | 1 | 1 |
| 13S 3+25W | 1 | 43 | 43 | 160 | .2 | 41 | 15 | 336 | 3.64 | 30 | 5 | ND | 2 | 26 | 1 | 2 | 2 | 48 | .29 | .131 | 5 | 30 | .72 | 140 | .11 | 3 | 4.05 | .02 | .08 | 1 | 3 |
| 13S 3+00W | 1 | 24 | 28 | 224 | .2 | 23 | 13 | 710 | 2.90 | 15 | 5 | ND | 3 | 24 | 1 | 2 | 2 | 40 | .25 | .055 | 6 | 22 | .74 | 165 | .10 | 3 | 2.69 | .01 | .08 | 1 | 1 |
| 13S 2+75W | 1 | 26 | 14 | 81 | .1 | 22 | 12 | 390 | 3.03 | 13 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 48 | .36 | .063 | 4 | 22 | .86 | 90 | .12 | 2 | 2.51 | .02 | .08 | 1 | 1 |
| 13S 2+50W | 1 | 61 | 29 | 143 | .1 | 22 | 15 | 440 | 4.02 | 15 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 61 | .36 | .025 | 6 | 31 | 1.32 | 84 | .15 | 4 | 2.74 | .02 | .10 | 1 | 1 |
| 13S 2+25W | 1 | 18 | 8 | 101 | .1 | 28 | 14 | 669 | 2.84 | 28 | 5 | ND | 2 | 27 | 1 | 3 | 2 | 40 | .41 | .030 | 6 | 26 | .64 | 136 | .09 | 3 | 3.11 | .02 | .11 | 1 | 3 |
| 13S 2+00W | 1 | 27 | 16 | 160 | .2 | 27 | 16 | 417 | 3.02 | 28 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 39 | .28 | .054 | 6 | 23 | .68 | 187 | .10 | 3 | 3.38 | .02 | .08 | 1 | 4 |
| 13S 1+75W | 1 | 40 | 23 | 303 | .2 | 29 | 17 | 1186 | 3.62 | 34 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 47 | .36 | .057 | 7 | 27 | .82 | 121 | .10 | 2 | 2.97 | .01 | .09 | 1 | 2 |
| 13S 1+50W | 1 | 18 | 12 | 229 | .1 | 21 | 14 | 1133 | 2.90 | 14 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 42 | .37 | .053 | 7 | 25 | .57 | 93 | .09 | 3 | 2.24 | .01 | .08 | 1 | 1 |
| 13S 1+25W | 1 | 65 | 8 | 111 | .1 | 21 | 15 | 464 | 3.98 | 21 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 68 | .53 | .040 | 6 | 26 | .97 | 93 | .15 | 2 | 3.08 | .01 | .10 | 1 | 1 |
| STD C/AU-S | 20 | 61 | 37 | 129 | 7.3 | 68 | 29 | 1062 | 4.17 | 42 | 18 | 8 | 40 | 52 | 18 | 17 | 20 | 58 | .47 | .087 | 40 | 59 | .87 | 174 | .07 | 33 | 1.95 | .06 | .14 | 14 | 50 |
| 13S 1+00W | 1 | 39 | 8 | 108 | .1 | 21 | 16 | 464 | 3.87 | 11 | 5 | ND | 3 | 22 | 1 | 2 | 3 | 66 | .33 | .048 | 5 | 28 | 1.25 | 69 | .15 | 5 | 2.76 | .01 | .06 | 1 | 1 |
| 13S 0+75W | 1 | 26 | 9 | 169 | .1 | 20 | 11 | 514 | 2.54 | 10 | 5 | ND | 3 | 32 | 1 | 2 | 2 | 34 | .39 | .124 | 6 | 19 | .66 | 109 | .09 | 2 | 2.42 | .02 | .12 | 1 | 2 |
| 13S 0+50W | 1 | 42 | 10 | 156 | .1 | 28 | 23 | 2002 | 3.47 | 18 | 5 | ND | 4 | 40 | 1 | 2 | 2 | 47 | .49 | .052 | 12 | 29 | .90 | 221 | .09 | 6 | 2.50 | .01 | .15 | 1 | 1 |
| 13S 0+25W | 1 | 30 | 7 | 88 | .1 | 23 | 10 | 306 | 3.27 | 18 | 5 | ND | 3 | 24 | 1 | 2 | 2 | 46 | .30 | .026 | 8 | 30 | .88 | 70 | .11 | 2 | 2.09 | .01 | .08 | 1 | 1 |
| BL 13+00S | 2 | 48 | 24 | 154 | .7 | 35 | 27 | 946 | 4.29 | 19 | 5 | ND | 3 | 19 | 1 | 2 | 2 | 52 | .24 | .051 | 9 | 29 | .71 | 126 | .14 | 5 | 3.88 | .02 | .08 | 1 | 14 |
| 13S 0+25E | 3 | 39 | 30 | 98 | .1 | 23 | 16 | 564 | 4.67 | 19 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 71 | .21 | .031 | 6 | 27 | 1.04 | 84 | .15 | 5 | 3.08 | .01 | .07 | 1 | 4 |
| 13S 0+50E | 3 | 126 | 20 | 82 | .5 | 48 | 22 | 524 | 6.91 | 68 | 5 | ND | 2 | 23 | 1 | 3 | 2 | 67 | .26 | .108 | 8 | 50 | .93 | 54 | .10 | 5 | 3.74 | .01 | .07 | 1 | 2 |
| 13S 0+75E | 1 | 85 | 24 | 274 | .5 | 34 | 25 | 1364 | 4.41 | 19 | 5 | ND | 2 | 49 | 2 | 2 | 2 | 50 | .58 | .138 | 11 | 34 | .91 | 109 | .11 | 5 | 3.19 | .02 | .12 | 1 | 6 |
| 13S 1+00E | 3 | 87 | 124 | 141 | .5 | 19 | 12 | 1622 | 7.49 | 32 | 5 | ND | 2 | 68 | 1 | 2 | 2 | 54 | .41 | .169 | 12 | 20 | .88 | 191 | .16 | 2 | 3.25 | .03 | .10 | 1 | 8 |
| 13S 1+25E | 3 | 99 | 190 | 128 | .7 | 14 | 9 | 715 | 8.48 | 31 | 5 | ND | 3 | 61 | 1 | 2 | 3 | 59 | .30 | .120 | 10 | 23 | 1.08 | 124 | .13 | 4 | 2.99 | .02 | .21 | 1 | 4 |
| 13S 1+50E | 3 | 104 | 246 | 129 | 1.8 | 16 | 11 | 695 | 7.31 | 28 | 5 | ND | 3 | 45 | 1 | 3 | 2 | 58 | .24 | .097 | 9 | 27 | 1.10 | 135 | .10 | 2 | 2.96 | .02 | .08 | 1 | 2 |
| 13S 1+75E | 3 | 71 | 83 | 112 | .3 | 17 | 9 | 620 | 5.33 | 21 | 5 | ND | 3 | 28 | 1 | 3 | 3 | 47 | .13 | .069 | 7 | 27 | 1.07 | 98 | .09 | 3 | 2.26 | .01 | .07 | 1 | 1 |
| 13S 2+00E | 1 | 29 | 25 | 76 | .5 | 17 | 9 | 282 | 3.49 | 12 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 38 | .19 | .033 | 7 | 25 | .76 | 89 | .10 | 3 | 2.03 | .02 | .06 | 1 | 12 |
| 13S 2+25E | 1 | 19 | 44 | 94 | .9 | 17 | 8 | 284 | 3.08 | 8 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 35 | .17 | .055 | 7 | 21 | .53 | 121 | .09 | 3 | 2.52 | .02 | .07 | 1 | 1 |

## PETER A. CHRISTOPHER PROJECT-PITA PROJECT FILE # 87-5516



| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13S 2+50E | 1 | 17 | 23 | 61 | .6 | 16 | 7 | 271 | 2.27 | 6 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 26 | .25 | .075 | 6 | 18 | .42 | 98 | .09 | 2 | 2.45 | .02 | .05 | 1 | 3 |
| 13S 2+75E | 1 | 9 | 13 | 69 | .4 | 13 | 7 | 378 | 2.08 | 6 | 5 | ND | 2 | 35 | 1 | 2 | 2 | 23 | .33 | .203 | 5 | 13 | .26 | 196 | .09 | 2 | 2.50 | .02 | .05 | 1 | 1 |
| 13S 3+00E | 1 | 14 | 15 | 69 | .4 | 14 | 9 | 297 | 2.01 | 5 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 24 | .17 | .081 | 6 | 15 | .29 | 130 | .09 | 2 | 2.66 | .02 | .05 | 1 | 1 |
| 13S 3+25E | 1 | 46 | 20 | 114 | .4 | 23 | 16 | 432 | 2.91 | 9 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 36 | .22 | .073 | 9 | 24 | .51 | 123 | .11 | 2 | 3.04 | .02 | .06 | 1 | 2 |
| 13S 3+50E | 1 | 64 | 14 | 91 | 1.3 | 25 | 13 | 256 | 2.61 | 6 | 5 | ND | 4 | 30 | 1 | 2 | 2 | 34 | .33 | .055 | 12 | 27 | .53 | 232 | .11 | 4 | 3.41 | .02 | .07 | 1 | 12 |
| 13S 3+75E | 1 | 66 | 19 | 113 | .8 | 19 | 9 | 487 | 3.94 | 11 | 5 | ND | 3 | 25 | 1 | 2 | 3 | 45 | .20 | .060 | 10 | 31 | .87 | 137 | .10 | 2 | 2.62 | .01 | .08 | 1 | 5 |
| 13S 4+00E | 1 | 26 | 15 | 128 | 1.2 | 18 | 9 | 277 | 3.02 | 8 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 36 | .22 | .054 | 7 | 25 | .68 | 116 | .10 | 2 | 2.41 | .01 | .06 | 1 | 1 |
| 13S 4+25E | 1 | 26 | 12 | 109 | .3 | 22 | 12 | 315 | 2.89 | 9 | 5 | ND | 2 | 23 | 1 | 3 | 2 | 40 | .30 | .072 | 7 | 23 | .58 | 104 | .11 | 4 | 2.55 | .02 | .08 | 1 | 2 |
| 13S 4+50E | 1 | 17 | 8 | 89 | .4 | 22 | 9 | 350 | 2.11 | 3 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 29 | .21 | .136 | 8 | 21 | .36 | 92 | .10 | 2 | 2.93 | .02 | .06 | 1 | 1 |
| 13S 4+75E | 1 | 19 | 7 | 92 | .2 | 22 | 11 | 308 | 2.37 | 3 | 5 | ND | 3 | 21 | 1 | 2 | 3 | 37 | .25 | .047 | 10 | 29 | .55 | 88 | .09 | 2 | 1.85 | .02 | .09 | 1 | 6 |
| 13S 5+00E | 1 | 23 | 12 | 320 | .2 | 21 | 11 | 443 | 2.76 | 6 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 38 | .33 | .111 | 7 | 25 | .49 | 105 | .11 | 2 | 2.99 | .02 | .07 | 1 | 9 |
| 14S 5+00W | 1 | 32 | 8 | 256 | .1 | 32 | 19 | 871 | 2.81 | 14 | 5 | ND | 2 | 23 | 1 | 2 | 3 | 29 | .33 | .159 | 6 | 21 | .53 | 139 | .10 | 3 | 3.10 | .02 | .09 | 1 | 3 |
| 14S 4+75W | 1 | 20 | 24 | 308 | .3 | 32 | 12 | 439 | 2.50 | 14 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 28 | .38 | .085 | 5 | 17 | .53 | 147 | .12 | 5 | 3.44 | .02 | .13 | 1 | 1 |
| 14S 4+50W | 1 | 23 | 44 | 421 | .1 | 27 | 19 | 1025 | 2.80 | 6 | 5 | ND | 2 | 22 | 1 | 2 | 4 | 36 | .32 | .023 | 6 | 23 | .67 | 187 | .10 | 3 | 2.93 | .01 | .09 | 1 | 2 |
| 14S 4+25W | 1 | 35 | 44 | 243 | .1 | 27 | 17 | 527 | 3.15 | 7 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 38 | .29 | .034 | 6 | 25 | .78 | 132 | .11 | 7 | 2.99 | .01 | .08 | 1 | 2 |
| 14S 4+00W | 1 | 53 | 32 | 173 | .1 | 29 | 18 | 581 | 3.75 | 18 | 5 | ND | 3 | 23 | 1 | 2 | 3 | 44 | .32 | .091 | 8 | 29 | .90 | 107 | .11 | 3 | 3.15 | .01 | .09 | 1 | 2 |
| 14S 3+75W | 1 | 21 | 22 | 174 | .2 | 21 | 12 | 422 | 2.72 | 11 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 39 | .26 | .020 | 6 | 23 | .73 | 84 | .11 | 2 | 2.26 | .01 | .08 | 1 | 66 |
| 14S 3+50W | 1 | 19 | 14 | 241 | .1 | 23 | 12 | 355 | 3.14 | 14 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 37 | .50 | .042 | 4 | 22 | .81 | 128 | .10 | 4 | 2.92 | .01 | .12 | 1 | 7 |
| 14S 3+25W | 1 | 26 | 27 | 226 | .2 | 21 | 14 | 699 | 3.08 | 13 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 35 | .49 | .099 | 6 | 21 | .62 | 122 | .10 | 4 | 2.22 | .01 | .12 | 1 | 25 |
| 14S 3+00W | 2 | 16 | 49 | 298 | .1 | 27 | 16 | 694 | 2.97 | 12 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 32 | .32 | .025 | 5 | 18 | .60 | 133 | .08 | 3 | 2.42 | .02 | .10 | 1 | 1 |
| STD C/AU-S | 19 | 60 | 39 | 124 | 7.0 | 65 | 28 | 1061 | 3.99 | 38 | 19 | 8 | 38 | 49 | 17 | 17 | 18 | 55 | .48 | .085 | 38 | 60 | .88 | 162 | .06 | 34 | 1.83 | .06 | .13 | 13 | 47 |
| 14S 2+75W | 1 | 35 | 25 | 163 | .2 | 22 | 13 | 672 | 3.05 | 18 | 5 | ND | 3 | 26 | 1 | 2 | 2 | 38 | .36 | .040 | 6 | 24 | .74 | 121 | .09 | 3 | 2.83 | .01 | .14 | 1 | 17 |
| 14S 2+50W | 1 | 17 | 16 | 149 | .2 | 20 | 12 | 564 | 2.54 | 10 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 36 | .25 | .042 | 4 | 20 | .69 | 105 | .10 | 3 | 2.20 | .01 | .07 | 1 | 15 |
| 14S 2+25W | 1 | 32 | 23 | 86 | .1 | 16 | 13 | 806 | 3.51 | 13 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 47 | .24 | .048 | 3 | 35 | 1.28 | 66 | .11 | 2 | 1.96 | .01 | .10 | 1 | 8 |
| 14S 2+00W | 2 | 42 | 56 | 364 | .1 | 16 | 15 | 901 | 3.96 | 16 | 5 | ND | 1 | 19 | 1 | 2 | 3 | 45 | .27 | .026 | 8 | 21 | 1.28 | 103 | .05 | 3 | 2.52 | .01 | .08 | 1 | 1 |
| 14S 1+75W | 1 | 17 | 18 | 222 | .1 | 21 | 10 | 546 | 2.46 | 9 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 31 | .39 | .048 | 5 | 20 | .49 | 86 | .10 | 4 | 2.93 | .02 | .08 | 1 | 1 |
| 14S 1+50W | 2 | 19 | 34 | 521 | .1 | 17 | 15 | 786 | 3.69 | 14 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 45 | .33 | .017 | 6 | 25 | .99 | 91 | .08 | 2 | 2.32 | .01 | .07 | 1 | 15 |
| 14S 1+25W | 3 | 24 | 74 | 1271 | .1 | 35 | 33 | 960 | 4.38 | 22 | 5 | ND | 1 | 23 | 3 | 2 | 2 | 52 | .49 | .040 | 5 | 27 | .73 | 85 | .11 | 6 | 2.74 | .01 | .09 | 1 | 25 |
| 14S 1+00W | 2 | 24 | 16 | 441 | .2 | 22 | 10 | 1575 | 2.55 | 11 | 5 | ND | 2 | 31 | 4 | 2 | 2 | 37 | .45 | .019 | 7 | 22 | .65 | 152 | .09 | 5 | 1.86 | .01 | .09 | 1 | 2 |
| 14S 0+75W | 1 | 27 | 6 | 96 | .3 | 23 | 12 | 404 | 3.05 | 15 | 5 | ND | 3 | 24 | 1 | 2 | 2 | 46 | .30 | .033 | 7 | 25 | .82 | 76 | .10 | 5 | 2.17 | .01 | .09 | 1 | 12 |
| 14S 0+50W | 1 | 40 | 12 | 65 | .3 | 22 | 15 | 504 | 4.10 | 20 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 66 | .36 | .021 | 5 | 51 | 1.62 | 27 | .16 | 4 | 2.16 | .01 | .11 | 1 | 2 |
| 14S 0+25W | 2 | 51 | 51 | 80 | .7 | 11 | 8 | 625 | 4.54 | 24 | 5 | ND | 2 | 21 | 1 | 2 | 4 | 45 | .12 | .081 | 4 | 29 | 1.53 | 62 | .10 | 4 | 2.10 | .01 | .07 | 1 | 5 |
| 14S 0+00B/L | 6 | 1411 | 22 | 211 | .8 | 20 | 20 | 719 | 9.09 | 9 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 39 | .26 | .121 | 17 | 18 | 1.95 | 95 | .12 | 4 | 2.60 | .01 | .09 | 2 | 58 |
| 14S 0+25E | 1 | 58 | 29 | 84 | .2 | 22 | 15 | 480 | 3.86 | 21 | 5 | ND | 2 | 20 | 1 | 3 | 2 | 49 | .32 | .039 | 4 | 60 | 1.39 | 34 | .14 | 4 | 1.76 | .01 | .09 | 1 | 3 |
| 14S 0+50E | 1 | 19 | 10 | 79 | .2 | 25 | 9 | 399 | 2.55 | 19 | 5 | ND | 2 | 27 | 1 | 2 | 2 | 32 | .31 | .055 | 6 | 24 | .58 | 119 | .09 | 2 | 2.19 | .02 | .14 | 1 | 19 |
| 14S 0+75E | 1 | 28 | 9 | 72 | .1 | 18 | 10 | 515 | 3.16 | 23 | 5 | ND | 2 | 28 | 1 | 2 | 5 | 47 | .29 | .040 | 7 | 30 | .95 | 85 | .11 | 4 | 1.90 | .01 | .08 | 1 | 106 |
| 14S 1+00E | 1 | 30 | 18 | 90 | .5 | 23 | 15 | 453 | 3.48 | 22 | 5 | ND | 2 | 24 | 1 | 2 | 5 | 55 | .27 | .025 | 7 | 34 | .96 | 88 | .11 | 2 | 2.21 | .01 | .07 | 1 | 12 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14S 1+25E | 4 | 205 | 128 | 218 | 4.6 | 19 | 13 | 412 | 6.49 | 43 | 5 | ND | 3 | 14 | 1 | 4 | 3 | 47 | .07 | .067 | 6 | 36 | 1.01 | 80 | .17 | 2 | 3.22 | .01 | .07 | 1 | 44 |
| 14S 1+50E | 3 | 101 | 90 | 343 | .7 | 27 | 30 | 898 | 6.60 | 17 | 5 | ND | 3 | 36 | 2 | 2 | 2 | 41 | .32 | .090 | 14 | 40 | 1.24 | 112 | .09 | 7 | 2.43 | .02 | .13 | 1 | 19 |
| 14S 1+75E | 3 | 102 | 27 | 223 | .4 | 11 | 12 | 407 | 5.68 | 15 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 33 | .10 | .047 | 4 | 17 | 1.04 | 50 | .07 | 4 | 2.12 | .01 | .05 | 1 | 6 |
| 14S 2+00E | 1 | 12 | 16 | 142 | .3 | 12 | 6 | 279 | 1.91 | 2 | 5 | ND | 2 | 24 | 1 | 2 | 4 | 22 | .20 | .111 | 5 | 13 | .39 | 109 | .08 | 2 | 1.94 | .02 | .07 | 1 | 1 |
| 14S 2+25E | 1 | 16 | 75 | 191 | .2 | 15 | 8 | 302 | 2.16 | 3 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 26 | .15 | .027 | 4 | 15 | .56 | 154 | .09 | 2 | 2.00 | .02 | .05 | 1 | 1 |
| 14S 2+50E | 1 | 9 | 16 | 257 | .2 | 14 | 8 | 492 | 1.67 | 2 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 22 | .26 | .049 | 4 | 14 | .21 | 120 | .10 | 4 | 2.81 | .02 | .05 | 1 | 1 |
| STD C/AU-S | 19 | 59 | 40 | 124 | 7.2 | 66 | 28 | 1028 | 3.96 | 39 | 19 | 8 | 38 | 50 | 18 | 19 | 19 | 55 | .45 | .086 | 38 | 60 | .89 | 162 | .06 | 31 | 1.90 | .06 | .14 | 14 | 49 |
| 14S 2+75E | 4 | 18 | 64 | 41 | 1.5 | 2 | 3 | 87 | 3.88 | 10 | 5 | ND | 1 | 8 | 1 | 2 | 2 | 17 | .05 | .054 | 3 | 9 | .15 | 66 | .02 | 2 | .73 | .01 | .04 | 2 | 12 |
| 14S 3+00E | 1 | 18 | 13 | 60 | .8 | 22 | 9 | 209 | 2.31 | 4 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 33 | .18 | .079 | 7 | 22 | .51 | 123 | .10 | 2 | 3.12 | .02 | .06 | 1 | 1 |
| 14S 3+25E | 1 | 9 | 15 | 59 | .3 | 17 | 7 | 165 | 1.67 | 3 | 5 | ND | 2 | 12 | 1 | 2 | 3 | 23 | .12 | .197 | 5 | 19 | .21 | 82 | .09 | 3 | 2.36 | .02 | .04 | 1 | 1 |
| 14S 3+50E | 1 | 16 | 10 | 66 | .5 | 30 | 9 | 152 | 1.83 | 2 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 28 | .18 | .082 | 11 | 33 | .41 | 85 | .08 | 3 | 2.10 | .02 | .06 | 1 | 1 |
| 14S 3+75E | 1 | 28 | 14 | 68 | .3 | 22 | 10 | 230 | 2.33 | 4 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 33 | .19 | .074 | 10 | 25 | .47 | 104 | .10 | 3 | 3.02 | .02 | .07 | 1 | 2 |
| 14S 4+00E | 1 | 13 | 11 | 56 | .5 | 18 | 6 | 132 | 1.68 | 2 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 25 | .18 | .081 | 9 | 21 | .34 | 107 | .08 | 3 | 2.20 | .02 | .06 | 1 | 1 |
| 14S 4+25E | 1 | 11 | 9 | 74 | .4 | 17 | 7 | 368 | 1.82 | 3 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 27 | .19 | .160 | 8 | 19 | .27 | 105 | .09 | 2 | 2.50 | .02 | .06 | 1 | 1 |
| 14S 4+50E | 1 | 10 | 9 | 79 | .2 | 19 | 7 | 261 | 1.84 | 3 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 27 | .22 | .151 | 9 | 24 | .30 | 86 | .08 | 3 | 2.35 | .02 | .06 | 1 | 1 |
| 14S 4+75E | 2 | 116 | 24 | 162 | .9 | 89 | 19 | 549 | 3.92 | 9 | 5 | ND | 5 | 43 | 1 | 2 | 2 | 40 | .56 | .042 | 17 | 39 | .61 | 231 | .12 | 4 | 4.05 | .02 | .09 | 1 | 6 |
| 14S 5+00E | 1 | 59 | 10 | 94 | .1 | 41 | 15 | 309 | 2.84 | 3 | 5 | ND | 4 | 22 | 1 | 2 | 4 | 40 | .22 | .086 | 17 | 38 | .59 | 91 | .10 | 3 | 2.89 | .02 | .09 | 1 | 2 |
| 15S 5+00W | 1 | 11 | 24 | 179 | .3 | 21 | 12 | 604 | 1.94 | 7 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 23 | .23 | .110 | 5 | 13 | .38 | 169 | .07 | 4 | 2.24 | .02 | .09 | 1 | 1 |
| 15S 4+75W | 1 | 16 | 15 | 196 | .3 | 28 | 10 | 451 | 2.04 | 4 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 25 | .21 | .064 | 5 | 14 | .43 | 172 | .09 | 2 | 2.44 | .02 | .08 | 1 | 3 |
| 15S 4+50W | 1 | 26 | 24 | 222 | .1 | 26 | 12 | 763 | 2.33 | 6 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 26 | .39 | .097 | 7 | 19 | .52 | 123 | .09 | 3 | 2.56 | .02 | .11 | 1 | 1 |
| 15S 4+25W | 2 | 15 | 17 | 464 | .1 | 22 | 9 | 1732 | 2.11 | 11 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 28 | .21 | .071 | 6 | 19 | .56 | 178 | .07 | 5 | 1.81 | .01 | .08 | 1 | 2 |
| 15S 4+00W | 1 | 17 | 17 | 445 | .1 | 20 | 9 | 411 | 2.22 | 6 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 29 | .30 | .052 | 6 | 18 | .48 | 109 | .10 | 4 | 2.39 | .02 | .07 | 1 | 2 |
| 15S 3+75W | 1 | 28 | 18 | 101 | .1 | 18 | 11 | 478 | 2.78 | 14 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 38 | .28 | .053 | 7 | 26 | .88 | 70 | .09 | 3 | 1.81 | .01 | .09 | 1 | 28 |
| 15S 3+50W | 2 | 22 | 79 | 301 | .1 | 15 | 13 | 773 | 2.76 | 11 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 35 | .36 | .029 | 6 | 20 | .68 | 109 | .09 | 2 | 1.96 | .01 | .11 | 1 | 2 |
| 15S 3+25W | 1 | 44 | 41 | 226 | .2 | 28 | 18 | 528 | 2.97 | 11 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 41 | .28 | .033 | 7 | 28 | .89 | 124 | .10 | 3 | 2.74 | .01 | .08 | 1 | 2 |
| 15S 3+00W | 1 | 22 | 19 | 209 | .1 | 23 | 14 | 585 | 2.79 | 8 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 35 | .25 | .071 | 6 | 22 | .75 | 100 | .10 | 3 | 2.41 | .01 | .07 | 1 | 20 |
| 15S 2+75W | 1 | 34 | 20 | 254 | :1 | 21 | 14 | 1020 | 2.66 | 9 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 33 | .33 | .045 | 6 | 19 | .71 | 125 | .11 | 2 | 2.50 | .01 | .09 | 1 | 1 |
| 15S 2+50W | 1 | 55 | 19 | 272 | .1 | 22 | 13 | 953 | 2.88 | 6 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 34 | .29 | .056 | 6 | 21 | .69 | 119 | .10 | 5 | 2.34 | .01 | .07 | 1 | 3 |
| 15S 2+25W | 1 | 34 | 17 | 177 | .1 | 27 | 13 | 447 | 2.64 | 9 | 5 | ND | 1 | 20 | 1 | 2 | 2 | 34 | .22 | .059 | 6 | 20 | .68 | 103 | .10 | 5 | 2.41 | .01 | .06 | 1 | 2 |
| 15S 2+00W | 1 | 22 | 22 | 122 | .3 | 27 | 12 | 811 | 2.36 | 10 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 31 | .31 | .067 | 5 | 18 | .60 | 112 | .08 | 4 | 2.17 | .01 | .09 | 1 | 11 |
| 15S 1+75W | 2 | 25 | 68 | 461 | .3 | 23 | 12 | 415 | 2.81 | 8 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 34 | .19 | .046 | 5 | 20 | .67 | 93 | .10 | 3 | 2.56 | .02 | .09 | 1 | 3 |
| 15S 1+50W | 2 | 23 | 25 | 436 | .1 | 31 | 12 | 499 | 2.78 | 11 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 39 | .19 | .049 | 6 | 24 | .59 | 111 | .10 | 4 | 2.27 | .01 | .07 | 1 | 4 |
| 15S 1+25W | 2 | 36 | 33 | 339 | .1 | 33 | 13 | 593 | 3.33 | 16 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 44 | .25 | .035 | 7 | 25 | .84 | 139 | .11 | 2 | 2.55 | .01 | .08 | 1 | 3 |
| 15S 1+00W | 1 | 57 | 27 | 155 | .2 | 27 | 14 | 484 | 3.23 | 14 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 46 | .22 | .038 | 6 | 24 | .70 | 99 | .11 | 6 | 2.60 | .01 | .07 | 1 | 3 |
| 15S 0+75W | 1 | 45 | 24 | 136 | .2 | 23 | 17 | 790 | 3.21 | 23 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 42 | .25 | .051 | 7 | 26 | .72 | 110 | .10 | 3 | 2.28 | .01 | .07 | 1 | 14 |
| 15S 0+50W | 2 | 39 | 29 | 74 | .6 | 18 | 9 | 366 | 3.42 | 18 | 5 | ND | 2 | 20 | 1 | 4 | 2 | 46 | .24 | .028 | 6 | 27 | 1.16 | 48 | .11 | 4 | 1.89 | .01 | .07 | 1 | 2 |
| 15S 0+25W | 2 | 33 | 31 | 75 | .1 | 14 | 10 | 389 | 3.35 | 16 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 46 | .20 | .030 | 5 | 26 | 1.21 | 44 | .10 | 2 | 1.71 | .01 | .07 | 1 | 42 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BL 15+00S | 1 | 42 | 13 | 62 | .1 | 21 | 11 | 426 | 3.78 | 25 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 59 | .31 | .015 | 4 | 51 | 1.51 | 35 | .14 | 2 | 1.94 | .01 | .05 | 1 | 22 |
| 15S 0+25E | 1 | 27 | 9 | 90 | .1 | 23 | 11 | 304 | 3.07 | 15 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 44 | .20 | .048 | 5 | 37 | .96 | 46 | .10 | 4 | 1.84 | .01 | .05 | 1 | 2 |
| 15S 0+50E | 1 | 27 | 12 | 76 | .5 | 25 | 12 | 406 | 3.17 | 13 | 5 | ND | 1 | 18 | 1 | 3 | 2 | 46 | .24 | .042 | 6 | 39 | .98 | 59 | .12 | 2 | 2.19 | .01 | .07 | 1 | 1 |
| 15S 0+75E | 1 | 25 | 11 | 59 | .1 | 19 | 9 | 282 | 2.93 | 16 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 39 | .25 | .045 | 6 | 34 | .97 | 48 | .09 | 2 | 1.65 | .01 | .07 | 1 | 10 |
| 15S 1+00E | 1 | 20 | 10 | 70 | .1 | 24 | 9 | 370 | 2.64 | 16 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 35 | .34 | .084 | 6 | 29 | .71 | 86 | .08 | 2 | 1.91 | .01 | .09 | 1 | 6 |
| 15S 1+25E | 1 | 19 | 14 | 131 | .3 | 20 | 11 | 376 | 3.10 | 15 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 46 | .28 | .050 | 6 | 29 | .87 | 64 | .11 | 2 | 2.32 | .01 | .07 | 1 | 15 |
| 15S 1+50E | 3 | 63 | 32 | 275 | .1 | 18 | 14 | 442 | 4.08 | 22 | 5 | ND | 1 | 15 | 1 | 4 | 2 | 43 | .27 | .028 | 4 | 39 | 1.17 | 46 | .09 | 2 | 1.95 | .01 | .04 | 1 | 5 |
| 15S 1+75E | 1 | 28 | 8 | 87 | .1 | 30 | 12 | 522 | 3.66 | 18 | 5 | ND | 1 | 33 | 1 | 3 | 2 | 57 | .40 | .035 | 3 | 103 | 1.61 | 40 | .13 | 3 | 2.16 | .01 | .06 | 1 | 3 |
| 15S 2+00E | 2 | 30 | 27 | 67 | 1.3 | 14 | 7 | 343 | 4.23 | 33 | 5 | ND | 1 | 20 | 1 | 9 | 2 | 47 | .14 | .038 | 3 | 42 | 1.03 | 59 | .13 | 2 | 1.80 | .01 | .08 | 1 | 1 |
| 15S 2+25E | 1 | 56 | 15 | 48 | .3 | 18 | 11 | 331 | 3.24 | 12 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 34 | .39 | .023 | 9 | 26 | .62 | 104 | .08 | 2 | 2.71 | .02 | .05 | 1 | 3 |
| 15S 2+50E | 1 | 14 | 6 | 62 | .1 | 14 | 8 | 240 | 2.12 | 4 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 30 | .25 | .027 | 5 | 16 | .70 | 86 | .09 | 2 | 2.26 | .02 | .06 | 1 | 9 |
| 15S 2+75E | 1 | 14 | 3 | 95 | .2 | 23 | 8 | 271 | 1.84 | 5 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 27 | .25 | .104 | 8 | 22 | .38 | 104 | .09 | 3 | 2.25 | .02 | .06 | 1 | 1 |
| 15S 3+00E | 1 | 16 | 9 | 84 | .3 | 21 | 8 | 287 | 2.05 | 6 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 27 | .17 | .147 | 7 | 21 | .41 | 90 | .09 | 2 | 2.66 | .02 | .06 | 1 | 1 |
| 15S 3+25E | 1 | 14 | 4 | 76 | .5 | 23 | 7 | 261 | 2.18 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 30 | .23 | .136 | 6 | 16 | .33 | 86 | .10 | 4 | 3.61 | .02 | .04 | 1 | 1 |
| 15S 3+50E | 1 | 12 | 5 | 85 | .2 | 25 | 7 | 252 | 1.84 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 27 | .19 | .129 | 7 | 19 | .27 | 82 | .09 | 2 | 2.67 | .02 | .05 | 1 | 1 |
| 15S 3+75E | 1 | 20 | 5 | 96 | .2 | 26 | 8 | 387 | 2.04 | 7 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 31 | .21 | .114 | 10 | 28 | .41 | 99 | .09 | 2 | 2.54 | .02 | .06 | 1 | 1 |
| 15S 4+00E | 1 | 17 | 8 | 134 | .2 | 24 | 9 | 435 | 2.21 | 9 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 33 | .16 | .128 | 8 | 24 | .34 | 98 | .09 | 5 | 2.52 | .02 | .04 | 1 | 2 |
| STD C/AU-S | 19 | 59 | 38 | 126 | 7.1 | 67 | 28 | 1034 | 4.07 | 43 | 18 | 8 | 38 | 50 | 18 | 17 | 19 | 56 | .46 | .085 | 38 | 58 | .87 | 160 | .06 | 30 | 1.88 | .06 | .16 | 14 | 48 |
| 15S 4+25E | 1 | 20 | 6 | 82 | .3 | 23 | 9 | 426 | 2.31 | 7 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 34 | .14 | .102 | 8 | 24 | .43 | 93 | .10 | 2 | 2.84 | .02 | .06 | 1 | 1 |
| 15S 4+50E | 1 | 30 | 5 | 87 | .4 | 26 | 10 | 568 | 2.57 | 9 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 39 | .17 | .055 | 7 | 28 | .37 | 164 | .10 | 2 | 2.85 | .02 | .05 | 1 | 1 |
| 15S 4+75E | 1 | 48 | 14 | 83 | .4 | 33 | 10 | 489 | 2.77 | 7 | 5 | ND | 3 | 27 | 1 | 2 | 2 | 41 | .42 | .042 | 12 | 39 | .64 | 95 | .10 | 2 | 2.30 | .02 | .10 | 2 | 9 |
| 15S 5+00E | 1 | 25 | 10 | 114 | .3 | 30 | 10 | 346 | 2.45 | 5 | 5 | ND | 4 | 22 | 1 | 2 | 2 | 40 | .27 | .055 | 12 | 38 | .55 | 86 | .10 | 2 | 2.24 | .02 | .09 | 1 | 3 |
| 15S 5+25E | 1 | 24 | 13 | 128 | .5 | 33 | 9 | 362 | 2.33 | 8 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 37 | .23 | .073 | 10 | 38 | .54 | 99 | .09 | 3 | 2.15 | .02 | .09 | 1 | 2 |
| 15S 5+50E | 2 | 63 | 28 | 159 | .1 | 40 | 14 | 298 | 3.83 | 18 | 5 | ND | 4 | 16 | 1 | 2 | 2 | 51 | .13 | .055 | 11 | 53 | .97 | 96 | .12 | 2 | 2.98 | .01 | .07 | 1 | 2 |
| 15S 5+75E | 2 | 49 | 35 | 171 | .5 | 33 | 14 | 254 | 3.29 | 17 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 42 | .10 | .076 | 9 | 32 | .62 | 111 | .11 | 2 | 3.40 | .02 | .06 | 1 | 14 |
| 15S 6+00E | 1 | 25 | 15 | 172 | 1.4 | 32 | 9 | 288 | 2.24 | 9 | 5 | ND | 4 | 17 | 1 | 2 | 2 | 29 | .15 | .076 | 9 | 25 | .35 | 97 | .10 | 4 | 3.22 | .03 | .06 | 1 | 2 |
| 15S 6+25E | 1 | 32 | 17 | 123 | 1.5 | 34 | 10 | 274 | 2.64 | 8 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 35 | .17 | .061 | 9 | 32 | .59 | 88 | .11 | 2 | 2.90 | .02 | .09 | 1 | 1 |
| 15S 6+50E | 2 | 41 | 19 | 249 | .4 | 23 | 9 | 685 | 2.92 | 11 | 5 | ND | 4 | 20 | 1 | 2 | 2 | 41 | .26 | .053 | 10 | 36 | .77 | 105 | .10 | 2 | 1.68 | .01 | .07 | 1 | 1 |
| 15S 6+75E | 2 | 75 | 23 | 201 | .9 | 35 | 21 | 921 | 2.86 | 5 | 5 | ND | 1 | 70 | 1 | 2 | 2 | 43 | 1.92 | .091 | 20 | 43 | .63 | 123 | .07 | 2 | 2.25 | .03 | .10 | 1 | 2 |
| 15S 7+00E | 1 | 27 | 11 | 240 | .9 | 33 | 11 | 537 | 2.60 | 4 | 5 | ND | 3 | 27 | 1 | 2 | 2 | 34 | .48 | .025 | 14 | 30 | .39 | 124 | .12 | 6 | 3.05 | .03 | .12 | 1 | 1 |
| 15S 7+25E | 1 | 29 | 8 | 96 | 2.7 | 24 | 8 | 297 | 2.58 | 4 | 5 | ND | 4 | 46 | 2 | 2 | 2 | 32 | 1.44 | .073 | 12 | 35 | .34 | 123 | .10 | 2 | 2.99 | .03 | .08 | 1 | 1 |
| 15S 7+50E | 1 | 27 | 16 | 129 | 1.1 | 24 | 8 | 841 | 2.21 | 5 | 5 | ND | 2 | 51 | 1 | 2 | 2 | 27 | 1.64 | .065 | 8 | 24 | .38 | 97 | .08 | 3 | 2.14 | .02 | .06 | 1 | 1 |
| 15S 7+75E | 1 | 13 | 9 | 120 | .6 | 24 | 7 | 131 | 2.21 | 3 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 32 | .14 | .059 | 6 | 22 | .24 | 89 | .11 | 2 | 2.65 | .02 | .06 | 1 | 2 |
| 15S 8+00E | 1 | 13 | 8 | 128 | .5 | 22 | 7 | 473 | 1.91 | 2 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 25 | .11 | .205 | 8 | 20 | .26 | 88 | .11 | 2 | 3.68 | .03 | .06 | 1 | 35 |
| 16S 5+00W | 1 | 29 | 39 | 208 | .2 | 15 | 12 | 675 | 2.65 | 4 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 29 | .23 | .036 | 7 | 18 | .74 | 165 | .08 | 2 | 1.92 | .01 | .09 | 1 | 7 |
| 16S 4+75W | 1 | 30 | 51 | 114 | .5 | 12 | 7 | 251 | 2.49 | 9 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 33 | .14 | .030 | 6 | 18 | .76 | 130 | .08 | 2 | 1.61 | .01 | .05 | 1 | 2 |
| 16S 4+50W | 1 | 26 | 45 | 169 | .4 | 16 | 8 | 272 | 2.43 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 32 | .14 | .019 | 6 | 18 | .81 | 199 | .09 | 2 | 2.10 | .01 | .05 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU† PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 4+25W | 1 | 18 | 20 | 135 | .2 | 20 | 9 | 602 | 2.02 | 5 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 24 | .24 | .077 | 6 | 15 | .43 | 286 | .08 | 4 | 2.29 | .02 | .09 | 1 | 1 |
| 16S 4+00W | 2 | 37 | 33 | 70 | .2 | 16 | 9 | 202 | 2.95 | 11 | 5 | ND | 2 | 17 | 1 | 2 | 3 | 34 | .13 | .033 | 7 | 21 | .70 | 101 | .08 | 2 | 2.00 | .01 | .07 | 1 | 1 |
| 16S 3+75W | 1 | 27 | 70 | 157 | .3 | 20 | 12 | 592 | 2.19 | 7 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 29 | .18 | .066 | 7 | 18 | .44 | 152 | .08 | 4 | 1.95 | .02 | .07 | 1 | 1 |
| 16S 3+50W | 1 | 11 | 23 | 70 | .1 | 11 | 8 | 644 | 1.99 | 6 | 5 | ND | 1 | 19 | 1 | 2 | 2 | 27 | .16 | .029 | 6 | 15 | .53 | 108 | .08 | 6 | 1.46 | .01 | .07 | 1 | 1 |
| 16S 3+25W | 1 | 27 | 11 | 77 | .1 | 24 | 10 | 525 | 2.33 | 11 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 31 | .22 | .085 | 7 | 21 | .50 | 112 | .09 | 2 | 2.38 | .02 | .08 | 1 | 1 |
| 16S 3+00W | 2 | 51 | 10 | 81 | .1 | 19 | 13 | 517 | 2.32 | 9 | 5 | ND | 2 | 19 | 1 | 3 | 2 | 31 | .29 | .063 | 6 | 21 | .55 | 83 | .08 | 3 | 1.91 | .01 | .07 | 1 | 76 |
| 16S 2+75W | 1 | 15 | 17 | 77 | .2 | 20 | 11 | 293 | 2.24 | 7 | 5 | ND | 3 | 21 | 1 | 2 | 2 | 30 | .34 | .021 | 6 | 20 | .54 | 97 | .10 | 3 | 2.35 | .02 | .08 | 1 | 1 |
| 16S 2+50W | 1 | 21 | 10 | 52 | .3 | 17 | 11 | 595 | 2.63 | 7 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 27 | .86 | .016 | 8 | 21 | .49 | 126 | .08 | 3 | 2.40 | .03 | .07 | 1 | 7 |
| 16S 2+25W | 2 | 32 | 15 | 97 | .1 | 21 | 12 | 622 | 2.81 | 14 | 5 | ND | 2 | 16 | 1 | 2 | 4 | 32 | .26 | .033 | 7 | 22 | .74 | 108 | .08 | 4 | 1.98 | .01 | .07 | 1 | 1 |
| 16S 2+00W | 2 | 24 | 14 | 176 | .1 | 22 | 12 | 1168 | 2.32 | 7 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 31 | .31 | .035 | 6 | 21 | .63 | 218 | .08 | 4 | 1.88 | .01 | .09 | 1 | 1 |
| 16S 1+75W | 1 | 46 | 7 | 69 | .3 | 27 | 13 | 548 | 2.76 | 21 | 5 | ND | 3 | 29 | 1 | 2 | 2 | 38 | .33 | .053 | 8 | 28 | .78 | 129 | .09 | 3 | 2.24 | .01 | .10 | 1 | 1 |
| 16S 1+50W | 2 | 154 | 9 | 77 | .3 | 20 | 26 | 969 | 4.72 | 11 | 5 | ND | 3 | 33 | 1 | 2 | 5 | 45 | .36 | .060 | 9 | 23 | 2.10 | 69 | .13 | 4 | 3.25 | .01 | .08 | 1 | 1 |
| 16S 1+25W | 2 | 74 | 11 | 77 | .3 | 22 | 11 | 405 | 3.18 | 8 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 37 | .24 | .089 | 8 | 23 | .90 | 89 | .11 | 2 | 2.72 | .01 | .06 | 1 | 1 |
| 16S 1+00W | 2 | 49 | 15 | 267 | .2 | 23 | 11 | 376 | 2.82 | 8 | 5 | ND | 3 | 16 | 1 | 2 | 2 | 37 | .17 | .052 | 8 | 25 | .82 | 85 | .09 | 3 | 2.15 | .01 | .07 | 1 | 2 |
| 16S 0+75W | 1 | 28 | 15 | 296 | .1 | 20 | 14 | 424 | 2.46 | 6 | 5 | ND | 3 | 12 | 1 | 2 | 3 | 36 | .12 | .054 | 7 | 25 | .62 | 92 | .10 | 2 | 2.10 | .01 | .09 | 1 | 8 |
| 16S 0+50W | 2 | 63 | 18 | 691 | .3 | 27 | 10 | 304 | 2.55 | 3 | 5 | ND | 2 | 21 | 1 | 2 | 3 | 34 | .38 | .026 | 7 | 27 | .48 | 92 | .09 | 4 | 2.68 | .02 | .08 | 1 | 1 |
| 16S 0+25W | 2 | 34 | 24 | 277 | .2 | 22 | 11 | 302 | 2.70 | 10 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 38 | .27 | .029 | 8 | 26 | .71 | 76 | .10 | 3 | 2.02 | .01 | .07 | 1 | 6 |
| BL 16+00 | 1 | 19 | 14 | 51 | .1 | 23 | 8 | 281 | 2.27 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 36 | .25 | .036 | 7 | 27 | .47 | 92 | .10 | 4 | 2.32 | .02 | .07 | 1 | 1 |
| 16S 0+25E | 2 | 27 | 10 | 41 | .3 | 17 | 8 | 200 | 2.31 | 7 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 33 | .28 | .044 | 6 | 20 | .42 | 101 | .10 | 2 | 2.84 | .02 | .07 | 2 | 1 |
| 16S 0+50E | 1 | 20 | 9 | 51 | .1 | 22 | 9 | 214 | 2.48 | 8 | 5 | ND | 3 | 16 | 1 | 2 | 2 | 38 | .17 | .030 | 7 | 25 | .44 | 116 | .11 | 3 | 2.87 | .02 | .06 | 1 | 1 |
| 16S 0+75E | 1 | 15 | 12 | 62 | .2 | 20 | 8 | 227 | 2.23 | 5 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 36 | .33 | .066 | 7 | 22 | .41 | 88 | .11 | 2 | 2.57 | .02 | .07 | 1 | 1 |
| 16S 1+00E | 1 | 17 | 9 | 59 | .3 | 23 | 8 | 168 | 2.27 | 6 | 5 | ND | 4 | 17 | 1 | 2 | 2 | 34 | .21 | .087 | 9 | 23 | .41 | 90 | .10 | 2 | 2.60 | .02 | .07 | 1 | 67 |
| 16S 1+25E | 1 | 25 | 9 | 57 | .3 | 29 | 9 | 166 | 2.64 | 10 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 38 | .15 | .086 | 8 | 30 | .44 | 94 | .11 | 4 | 3.27 | .02 | .06 | 1 | 1 |
| 16S 1+50E | 2 | 23 | 10 | 65 | .4 | 35 | 8 | 182 | 2.42 | 6 | 5 | ND | 4 | 20 | 1 | 2 | 2 | 34 | .22 | .041 | 9 | 32 | .40 | 95 | .10 | 3 | 3.00 | .02 | .06 | 1 | 1 |
| 16S 1+75E | 2 | 30 | 12 | 63 | .1 | 24 | 9 | 316 | 2.59 | 7 | 5 | ND | 3 | 19 | 1 | 2 | 2 | 42 | .30 | .045 | 10 | 36 | .65 | 70 | .09 | 4 | 1.94 | .01 | .09 | 1 | 4 |
| 16S 2+00E | 2 | 61 | 14 | 72 | .6 | 39 | 11 | 605 | 3.39 | 10 | 5 | ND | 4 | 29 | 1 | 2 | 2 | 43 | .44 | .044 | 14 | 41 | .55 | 116 | .12 | 4 | 3.93 | .03 | .09 | 1 | 1 |
| 16S 2+25E | 2 | 85 | 17 | 90 | .9 | 39 | 13 | 605 | 3.68 | 14 | 5 | ND | 4 | 31 | 1 | 2 | 4 | 49 | .35 | .076 | 12 | 47 | .69 | 183 | .12 | 4 | 4.37 | .02 | .09 | 1 | 1 |
| STD C/AU-S | 20 | 60 | 36 | 123 | 7.4 | 66 | 28 | 1025 | 3.95 | 39 | 19 | 9 | 39 | 50 | 18 | 19 | 20 | 57 | .45 | .086 | 39 | 61 | .87 | 162 | .06 | 34 | 1.85 | .06 | .13 | 13 | 48 |
| 16S 2+50E | 2 | 42 | 9 | 80 | .3 | 26 | 12 | 433 | 2.89 | 9 | 5 | ND | 5 | 24 | 1 | 2 | 2 | 43 | .37 | .035 | 12 | 41 | .78 | 90 | .11 | 2 | 2.24 | .02 | .12 | 1 | 1 |
| 16S 2+75E | 2 | 73 | 12 | 70 | .1 | 34 | 15 | 483 | 3.63 | 10 | 5 | ND | 6 | 33 | 1 | 2 | 2 | 54 | .51 | .040 | 17 | 53 | 1.09 | 85 | .12 | 4 | 2.15 | .03 | .17 | 1 | 1 |
| 16S 3+00E | 2 | 62 | 12 | 76 | .2 | 28 | 14 | 485 | 3.42 | 17 | 5 | ND | 4 | 19 | 1 | 2 | 2 | 49 | .24 | .051 | 11 | 42 | 1.13 | 68 | .12 | 3 | 2.16 | .01 | .08 | 1 | 1 |
| 16S 3+25E | 2 | 65 | 8 | 72 | .1 | 27 | 14 | 422 | 3.52 | 18 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 50 | .22 | .027 | 9 | 42 | 1.25 | 57 | .14 | 4 | 1.90 | .01 | .08 | 1 | 1 |
| 16S 3+50E | 2 | 47 | 12 | 94 | .3 | 50 | 12 | 316 | 2.86 | 8 | 5 | ND | 4 | 21 | 1 | 2 | 3 | 48 | .22 | .064 | 12 | 54 | .77 | 179 | .11 | 2 | 2.87 | .02 | .09 | 1 | 1 |
| 16S 3+75E | 2 | 58 | 8 | 62 | .2 | 36 | 10 | 272 | 2.65 | 7 | 5 | ND | 6 | 21 | 1 | 2 | 4 | 46 | .24 | .027 | 17 | 45 | .90 | 89 | .11 | 3 | 2.16 | .02 | .10 | 1 | 1 |
| 16S 4+00E | 2 | 60 | 14 | 91 | .5 | 53 | 12 | 264 | 3.05 | 10 | 5 | ND | 5 | 24 | 1 | 2 | 2 | 46 | .20 | .077 | 12 | 52 | .65 | 168 | .12 | 4 | 4.04 | .02 | .11 | 1 | 1 |
| 16S 4+25E | 2 | 52 | 11 | 82 | .4 | 43 | 12 | 363 | 3.12 | 13 | 5 | ND | 4 | 19 | 1 | 2 | 2 | 50 | .22 | .100 | 12 | 48 | .50 | 113 | .11 | 5 | 3.59 | .02 | .08 | 1 | 1 |
| 16S 4+50E | 2 | 28 | 11 | 109 | .3 | 30 | 13 | 533 | 2.61 | 9 | 5 | ND | 4 | 16 | 1 | 2 | 2 | 41 | .18 | .099 | 11 | 35 | .54 | 111 | .09 | 3 | 2.34 | .01 | .06 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16S 4+75E | 2 | 53 | 45 | 139 | .2 | 32 | 12 | 406 | 3.49 | 19 | 5 | ND | 4 | 21 | 1 | 2 | 2 | 47 | .27 | .062 | 11 | 39 | .99 | 81 | .13 | 4 | 2.33 | .02 | .10 | 1 | 4 |
| 16S 5+00E | 1 | 35 | 31 | 183 | 1.3 | 27 | 13 | 412 | 2.84 | 17 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 39 | .24 | .105 | 6 | 21 | .54 | 121 | .11 | 4 | 3.07 | .02 | .07 | 1 | 1 |
| 16S 5+25E | 1 | 19 | 15 | 152 | 1.8 | 17 | 9 | 494 | 1.99 | 13 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 27 | .13 | .119 | 6 | 15 | .26 | 82 | .10 | 4 | 2.72 | .03 | .05 | 1 | 1 |
| 16S 5+50E | 1 | 19 | 10 | 232 | 1.0 | 30 | 11 | 501 | 2.54 | 7 | 5 | ND | 4 | 14 | 1 | 2 | 2 | 39 | .13 | .146 | 10 | 30 | .44 | 108 | .12 | 2 | 3.31 | .04 | .11 | 1 | 1 |
| 16S 5+75E | 1 | 21 | 12 | 132 | 1.2 | 33 | 10 | 383 | 2.51 | 5 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 36 | .21 | .105 | 8 | 28 | .30 | 113 | .12 | 2 | 3.43 | .02 | .07 | 1 | 1 |
| 16S 6+00E | 2 | 29 | 14 | 162 | .5 | 34 | 11 | 552 | 2.73 | 7 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 44 | .25 | .099 | 12 | 39 | .62 | 117 | .12 | 2 | 2.65 | .02 | .14 | 1 | 1 |
| 16S 6+25E | 2 | 43 | 16 | 131 | .1 | 30 | 12 | 446 | 2.84 | 12 | 5 | ND | 4 | 25 | 1 | 2 | 2 | 43 | .30 | .064 | 11 | 35 | .66 | 117 | .10 | 5 | 2.49 | .02 | .11 | 1 | 1 |
| 16S 6+50E | 1 | 25 | 7 | 142 | 3.9 | 10 | 1 | 17 | .39 | 3 | 5 | ND | 1 | 155 | 2 | 2 | 2 | 7 | 3.41 | .052 | 9 | 6 | .08 | 64 | .01 | 3 | .44 | .01 | .02 | 1 | 1 |
| 16S 6+75E | 2 | 32 | 6 | 108 | .1 | 9 | 3 | 538 | 1.12 | 6 | 5 | ND | 1 | 128 | 1 | 2 | 2 | 8 | 5.51 | .094 | 2 | 3 | .10 | 58 | .01 | 8 | .18 | .02 | .02 | 1 | 1 |
| 16S 7+00E | 4 | 32 | 5 | 138 | .1 | 10 | 6 | 2913 | .84 | 5 | 5 | ND | 1 | 126 | 1 | 2 | 2 | 6 | 5.66 | .101 | 2 | 2 | .10 | 133 | .01 | 10 | .18 | .01 | .01 | 1 | 1 |
| 16S 7+25E | 1 | 25 | 15 | 94 | .7 | 11 | 2 | 190 | .63 | 2 | 5 | ND | 1 | 105 | 1 | 2 | 2 | 12 | 4.01 | .047 | 14 | 6 | .08 | 72 | .01 | 6 | .60 | .01 | .06 | 1 | 1 |
| 16S 7+50E | 1 | 13 | 2 | 132 | 1.1 | 27 | 7 | 131 | 2.20 | 3 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 34 | .13 | .178 | 7 | 25 | .29 | 71 | .11 | 2 | 3.27 | .02 | .06 | 1 | 1 |
| 16S 7+75E | 1 | 16 | 5 | 175 | .2 | 37 | 9 | 324 | 2.52 | 2 | 5 | ND | 4 | 21 | 1 | 2 | 2 | 40 | .25 | .113 | 15 | 36 | .60 | 135 | .12 | 6 | 2.78 | .03 | .12 | 1 | 1 |
| 16S 8+00E | 2 | 37 | 12 | 119 | .2 | 40 | 12 | 1224 | 3.59 | 6 | 5 | ND | 4 | 34 | 1 | 2 | 2 | 53 | .52 | .049 | 16 | 47 | .77 | 149 | .12 | 6 | 2.94 | .02 | .13 | 1 | 1 |
| 17S 0+00B/L | 1 | 24 | 9 | 58 | .1 | 22 | 9 | 569 | 2.41 | 3 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 38 | .29 | .022 | 9 | 26 | .65 | 154 | .10 | 3 | 2.24 | .02 | .07 | 1 | 3 |
| 17S 0+25E | 1 | 29 | 12 | 72 | .1 | 22 | 9 | 581 | 2.90 | 8 | 5 | ND | 2 | 16 | 1 | 2 | 3 | 42 | .17 | .039 | 7 | 27 | .78 | 110 | .11 | 2 | 2.28 | .01 | .07 | 1 | 1 |
| 17S 0+50E | 1 | 20 | 7 | 57 | .1 | 20 | 8 | 227 | 2.27 | 6 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 34 | .22 | .071 | 7 | 23 | .49 | 97 | .09 | 2 | 2.45 | .02 | .05 | 1 | 1 |
| 17S 0+75E | 2 | 31 | 19 | 66 | .1 | 22 | 9 | 364 | 2.78 | 9 | 5 | ND | 2 | 15 | 1 | 2 | 3 | 41 | .19 | .041 | 9 | 29 | .76 | 88 | .10 | 2 | 2.21 | .01 | .07 | 1 | 1 |
| 17S 1+00E | 1 | 17 | 12 | 74 | .1 | 18 | 8 | 400 | 2.38 | 4 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 35 | .23 | .088 | 6 | 20 | .51 | 104 | .09 | 2 | 2.27 | .01 | .06 | 1 | 1 |
| 17S 1+25E | 2 | 36 | 16 | 72 | .1 | 21 | 10 | 925 | 2.69 | 8 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 42 | .15 | .061 | 11 | 29 | .72 | 80 | .10 | 3 | 2.13 | .01 | .07 | 1 | 1 |
| 17S 1+50E | 1 | 66 | 14 | 71 | .1 | 36 | 12 | 284 | 3.14 | 9 | 5 | ND | 5 | 34 | 1 | 2 | 2 | 45 | .39 | .017 | 11 | 36 | .64 | 133 | .10 | 2 | 3.03 | .03 | .07 | 1 | 1 |
| 17S 1+75E | 1 | 32 | 5 | 52 | .1 | 20 | 7 | 186 | 2.47 | 3 | 5 | ND | 2 | 19 | 1 | 2 | 2 | 39 | .34 | .025 | 6 | 24 | .41 | 59 | .09 | 2 | 2.60 | .02 | .09 | 1 | 2 |
| 17S 2+00E | 1 | 20 | 9 | 55 | .1 | 17 | 8 | 234 | 2.49 | 8 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 37 | .24 | .064 | 8 | 21 | .34 | 73 | .11 | 3 | 2.69 | .02 | .04 | 2 | 1 |
| 17S 2+25E | 2 | 23 | 10 | 72 | .2 | 20 | 9 | 371 | 2.45 | 13 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 38 | .17 | .094 | 7 | 22 | .40 | 86 | .10 | 3 | 2.63 | .02 | .05 | 1 | 1 |
| 17S 2+50E | 2 | 22 | 6 | 75 | .2 | 23 | 9 | 360 | 2.45 | 4 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 39 | .13 | .086 | 8 | 27 | .40 | 92 | .09 | 2 | 2.21 | .01 | .05 | 1 | 1 |
| 17S 2+75E | 1 | 13 | 7 | 85 | .2 | 15 | 7 | 256 | 2.09 | 6 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 33 | .13 | .151 | 8 | 21 | .29 | 107 | .09 | 3 | 2.36 | .02 | .04 | 1 | 1 |
| 17S 3+00E | 1 | 41 | 12 | 117 | .3 | 31 | 11 | 651 | 3.11 | 8 | 5 | ND | 3 | 37 | 1 | 2 | 2 | 41 | .69 | .032 | 12 | 33 | .54 | 130 | .10 | 2 | 3.23 | .03 | .07 | 1 | 1 |
| STD C/AU-S | 20 | 61 | 36 | 127 | 7.2 | 69 | 29 | 1058 | 4.13 | 43 | 17 | 8 | 39 | 52 | 18 | 18 | 20 | 59 | .46 | .090 | 40 | 60 | .86 | 164 | .07 | 32 | 1.92 | .06 | .14 | 13 | 50 |
| 17S 3+25E | 1 | 56 | 12 | 105 | .8 | 42 | 11 | 683 | 3.15 | 8 | 5 | ND | 6 | 43 | 1 | 2 | 2 | 38 | .75 | .031 | 18 | 36 | .60 | 130 | .13 | 6 | 3.72 | .04 | .09 | 1 | 1 |
| 17S 3+50E | 1 | 19 | 10 | 92 | .8 | 22 | 9 | 133 | 2.42 | 5 | 5 | ND | 4 | 16 | 1 | 2 | 2 | 39 | .19 | .085 | 11 | 31 | .42 | 86 | .11 | 2 | 2.77 | .02 | .08 | 1 | 1 |
| 17S 3+75E | 2 | 15 | 9 | 71 | .2 | 20 | 7 | 160 | 2.32 | 3 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 41 | .21 | .037 | 7 | 26 | .39 | 75 | .10 | 2 | 2.19 | .01 | .06 | 1 | 1 |
| 17S 4+00E | 2 | 23 | 16 | 98 | .3 | 18 | 10 | 309 | 2.93 | 11 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 43 | .15 | .103 | 6 | 26 | .63 | 81 | .10 | 6 | 2.48 | .01 | .06 | 1 | 1 |
| 17S 4+25E | 2 | 24 | 16 | 95 | .2 | 22 | 10 | 384 | 2.52 | 8 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 39 | .18 | .098 | 9 | 28 | .53 | 97 | .10 | 2 | 2.67 | .02 | .07 | 1 | 1 |
| 17S 4+50E | 1 | 16 | 7 | 71 | .2 | 22 | 8 | 198 | 2.04 | 6 | 5 | ND | 4 | 12 | 1 | 2 | 2 | 33 | .13 | .055 | 10 | 26 | .36 | 81 | .09 | 4 | 2.58 | .02 | .06 | 1 | 1 |
| 17S 4+75E | 1 | 13 | 8 | 113 | 1.1 | 20 | 9 | 237 | 2.29 | 8 | 5 | ND | 4 | 11 | 1 | 2 | 2 | 31 | .11 | .087 | 8 | 22 | .28 | 99 | .11 | 4 | 3.68 | .02 | .06 | 1 | 1 |
| 17S 5+00E | 1 | 19 | 13 | 109 | .4 | 25 | 12 | 260 | 3.10 | 12 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 40 | .13 | .089 | 5 | 26 | .38 | 97 | .11 | 4 | 4.76 | .02 | .05 | 1 | 2 |
| 17S 5+25E | 2 | 13 | 6 | 119 | .3 | 29 | 8 | 176 | 2.40 | 5 | 5 | ND | 4 | 12 | 1 | 2 | 2 | 38 | .12 | .095 | 9 | 32 | .42 | 104 | .10 | 3 | 3.29 | .02 | .06 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 17S 5+50E | 1 | 45 | 9 | 115 | .3 | 41 | 10 | 364 | 2.93 | 7 | 5 | ND | 4 | 29 | 1 | 4 | 2 | 43 | .54 | .032 | 16 | 42 | .54 | 111 | .11 | 2 | 2.95 | .02 | .11 | 1 | 1 |
| 17S 5+75E | 1 | 188 | 22 | 140 | 2.5 | 79 | 18 | 726 | 5.56 | 16 | 5 | ND | 5 | 54 | 1 | 3 | 2 | 71 | 1.31 | .031 | 30 | 72 | .82 | 184 | .13 | 2 | 5.53 | .03 | .18 | 1 | 11 |
| 17S 6+00E | 1 | 53 | 16 | 105 | 1.3 | 55 | 11 | 438 | 3.31 | 5 | 5 | ND | 5 | 33 | 1 | 3 | 2 | 44 | .51 | .029 | 19 | 44 | .55 | 147 | .15 | 2 | 4.16 | .04 | .13 | 1 | 1 |
| 17S 6+25E | 1 | 38 | 8 | 161 | .4 | 33 | 12 | 294 | 3.09 | 6 | 5 | ND | 4 | 20 | 1 | 2 | 2 | 48 | .26 | .091 | 11 | 44 | .79 | 100 | .13 | 2 | 2.59 | .02 | .15 | 1 | 6 |
| 17S 6+50E | 1 | 14 | 5 | 210 | .3 | 25 | 12 | 542 | 2.41 | 2 | 5 | ND | 3 | 22 | 1 | 3 | 2 | 39 | .20 | .189 | 11 | 35 | .48 | 141 | .11 | 2 | 2.63 | .02 | .10 | 1 | 1 |
| 17S 6+75E | 1 | 23 | 8 | 174 | .7 | 34 | 11 | 277 | 3.15 | 7 | 5 | ND | 5 | 20 | 1 | 2 | 2 | 52 | .28 | .075 | 13 | 46 | .72 | 109 | .13 | 2 | 3.34 | .02 | .08 | 1 | 1 |
| 17S 7+00E | 1 | 118 | 10 | 131 | 1.6 | 51 | 10 | 417 | 2.80 | 5 | 5 | ND | 1 | 56 | 1 | 2 | 2 | 32 | 1.30 | .054 | 14 | 33 | .44 | 115 | .09 | 2 | 2.82 | .04 | .07 | 1 | 1 |
| 18S 5+00W | 1 | 16 | 11 | 100 | .1 | 14 | 7 | 427 | 1.98 | 6 | 5 | ND | 1 | 30 | 1 | 2 | 2 | 27 | .33 | .040 | 5 | 19 | .62 | 100 | .08 | 2 | 1.54 | .01 | .11 | 1 | 1 |
| 18S 4+75W | 1 | 15 | 15 | 88 | .1 | 20 | 7 | 399 | 2.07 | 5 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 26 | .22 | .044 | 6 | 21 | .61 | 110 | .08 | 2 | 1.57 | .01 | .09 | 1 | 5 |
| 18S 4+50W | 1 | 34 | 18 | 102 | .1 | 24 | 9 | 538 | 2.74 | 10 | 5 | ND | 2 | 31 | 1 | 2 | 2 | 35 | .28 | .060 | 8 | 25 | .81 | 103 | .08 | 2 | 1.76 | .01 | .09 | 1 | 1 |
| 18S 4+25W | 1 | 24 | 13 | 107 | .1 | 23 | 9 | 455 | 2.48 | 5 | 5 | ND | 1 | 26 | 1 | 2 | 2 | 32 | .20 | .068 | 9 | 24 | .69 | 123 | .09 | 2 | 1.97 | .01 | .10 | 1 | 1 |
| 18S 4+00W | 1 | 25 | 13 | 94 | .1 | 20 | 9 | 499 | 2.24 | 3 | 5 | ND | 2 | 30 | 1 | 4 | 2 | 31 | .32 | .040 | 7 | 23 | .69 | 120 | .10 | 2 | 1.93 | .01 | .09 | 1 | 1 |
| 18S 3+75W | 1 | 8 | 9 | 83 | .1 | 12 | 6 | 627 | 1.56 | 4 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 24 | .24 | .028 | 6 | 17 | .42 | 123 | .08 | 2 | 1.55 | .01 | .09 | 1 | 1 |
| 18S 3+50W | 1 | 26 | 10 | 70 | .1 | 18 | 8 | 280 | 2.59 | 7 | 5 | ND | 3 | 20 | 1 | 2 | 2 | 41 | .23 | .037 | 10 | 30 | .85 | 69 | .11 | 5 | 1.72 | .01 | .09 | 1 | 1 |
| 18S 3+25W | 1 | 13 | 13 | 105 | .2 | 26 | 8 | 370 | 2.02 | 5 | 5 | ND | 3 | 21 | 1 | 2 | 2 | 28 | .21 | .110 | 8 | 22 | .51 | 148 | .09 | 2 | 2.15 | .02 | .09 | 1 | 9 |
| 18S 3+00W | 1 | 16 | 7 | 95 | .1 | 22 | 8 | 343 | 1.97 | 3 | 5 | ND | 1 | 25 | 1 | 2 | 2 | 26 | .25 | .072 | 6 | 21 | .53 | 144 | .09 | 3 | 2.46 | .02 | .11 | 1 | 1 |
| 18S 2+75W | 1 | 29 | 6 | 76 | .1 | 23 | 10 | 286 | 2.70 | 6 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 39 | .27 | .047 | 9 | 29 | .86 | 107 | .11 | 2 | 2.42 | .01 | .09 | 1 | 1 |
| 18S 2+50W | 1 | 34 | 11 | 121 | .6 | 30 | 10 | 486 | 2.80 | 9 | 5 | ND | 4 | 21 | 1 | 3 | 2 | 39 | .23 | .102 | 9 | 31 | .75 | 181 | .11 | 2 | 3.19 | .01 | .12 | 1 | 14 |
| 18S 2+25W | 1 | 21 | 8 | 87 | .4 | 23 | 8 | 421 | 2.13 | 5 | 5 | ND | 3 | 21 | 1 | 2 | 2 | 32 | .21 | .060 | 10 | 27 | .60 | 142 | .10 | 2 | 2.25 | .02 | .10 | 1 | 1 |
| 18S 2+00W | 1 | 20 | 8 | 78 | .2 | 27 | 8 | 251 | 2.40 | 7 | 5 | ND | 3 | 24 | 1 | 3 | 2 | 35 | .23 | .070 | 8 | 27 | .57 | 147 | .10 | 2 | 2.58 | .02 | .08 | 1 | 1 |
| 18S 1+75W | 2 | 24 | 7 | 94 | .1 | 28 | 10 | 553 | 2.45 | 5 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 39 | .24 | .046 | 9 | 31 | .66 | 123 | .10 | 2 | 2.32 | .01 | .07 | 1 | 2 |
| 18S 1+50W | 1 | 33 | 8 | 99 | .1 | 25 | 10 | 302 | 2.87 | 6 | 5 | ND | 3 | 19 | 1 | 2 | 2 | 39 | .17 | .090 | 7 | 27 | .69 | 160 | .12 | 2 | 3.40 | .02 | .07 | 1 | 1 |
| 18S 1+25W | 1 | 24 | 8 | 89 | .1 | 24 | 10 | 303 | 2.65 | 8 | 5 | ND | 2 | 17 | 1 | 3 | 2 | 38 | .17 | .073 | 7 | 25 | .61 | 118 | .11 | 2 | 2.66 | .02 | .06 | 1 | 1 |
| 18S 1+00W | 1 | 28 | 11 | 83 | .2 | 22 | 10 | 297 | 2.74 | 8 | 5 | ND | 2 | 15 | 1 | 3 | 2 | 39 | .15 | .083 | 8 | 28 | .66 | 134 | .11 | 4 | 2.70 | .01 | .07 | 1 | 22 |
| 18S 0+75W | 1 | 17 | 9 | 63 | .5 | 22 | 7 | 263 | 2.10 | 5 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 29 | .16 | .079 | 6 | 16 | .35 | 124 | .11 | 2 | 2.93 | .02 | .06 | 1 | 1 |
| STD C/AU-S | 20 | 61 | 38 | 128 | 7.3 | 67 | 30 | 1049 | 3.97 | 39 | 19 | 8 | 41 | 51 | 18 | 17 | 23 | 59 | .47 | .085 | 40 | 60 | .87 | 169 | .07 | 32 | 1.85 | .06 | .14 | 13 | 48 |
| 18S 0+50W | 2 | 16 | 5 | 116 | .2 | 22 | 9 | 739 | 2.14 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 29 | .15 | .108 | 7 | 18 | .47 | 154 | .10 | 2 | 2.81 | .02 | .05 | 1 | 2 |
| 18S 0+25W | 1 | 16 | 9 | 85 | .1 | 19 | 8 | 381 | 2.18 | 6 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 31 | .12 | .103 | 6 | 21 | .41 | 95 | .10 | 2 | 2.38 | .02 | .04 | 1 | 1 |
| 18S 0+00B/L | 1 | 16 | 6 | 89 | .4 | 20 | 8 | 376 | 2.29 | 2 | 5 | ND | 3 | 16 | 1 | 2 | 2 | 34 | .19 | .127 | 9 | 28 | .44 | 126 | .11 | 2 | 3.01 | .02 | .06 | 1 | 1 |
| 18S 0+25E | 1 | 18 | 10 | 83 | .1 | 21 | 8 | 330 | 2.18 | 3 | 5 | ND | 2 | 16 | 1 | 2 | 3 | 34 | .17 | .116 | 8 | 23 | .45 | 101 | .10 | 2 | 2.39 | .02 | .06 | 1 | 1 |
| 18S 0+50E | 1 | 23 | 11 | 69 | .1 | 17 | 8 | 677 | 2.29 | 5 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 33 | .16 | .075 | 6 | 20 | .58 | 91 | .09 | 6 | 2.02 | .02 | .06 | 1 | 1 |
| 18S 0+75E | 2 | 26 | 7 | 74 | .1 | 22 | 10 | 330 | 2.63 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 39 | .16 | .085 | 8 | 29 | .58 | 126 | .10 | 2 | 2.68 | .02 | .05 | 1 | 3 |
| 18S 1+00E | 1 | 28 | 6 | 79 | .2 | 22 | 10 | 423 | 2.84 | 7 | 5 | ND | 3 | 15 | 1 | 2 | 2 | 43 | .17 | .089 | 9 | 28 | .59 | 121 | .11 | 2 | 3.16 | .02 | .06 | 1 | 1 |
| 18S 1+25E | 1 | 57 | 8 | 78 | .3 | 29 | 12 | 248 | 3.09 | 9 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 48 | .26 | .020 | 8 | 34 | .69 | 161 | .11 | 2 | 3.44 | .02 | .08 | 1 | 12 |
| 18S 1+50E | 2 | 24 | 9 | 88 | .3 | 21 | 10 | 594 | 2.54 | 6 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 38 | .20 | .085 | 7 | 28 | .43 | 118 | .10 | 2 | 2.53 | .02 | .06 | 1 | 1 |
| 18S 1+75E | 1 | 61 | 13 | 78 | .3 | 31 | 11 | 457 | 3.17 | 8 | 5 | ND | 5 | 32 | 1 | 2 | 2 | 42 | .47 | .025 | 13 | 33 | .64 | 176 | .11 | 2 | 3.54 | .03 | .08 | 1 | 36 |
| 18S 2+00E | 1 | 28 | 4 | 52 | .1 | 19 | 9 | 202 | 2.42 | 7 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 39 | .22 | .044 | 8 | 25 | .45 | 102 | .10 | 2 | 2.87 | .02 | .05 | 1 | 1 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18S 2+25E | 1 | 51 | 6 | 70 | .1 | 25 | 14 | 346 | 3.29 | 15 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 53 | .21 | .028 | 7 | 36 | 1.20 | 85 | .11 | 2 | 2.27 | .01 | .05 | 1 | 6 |
| 18S 2+50E | 1 | 74 | 13 | 70 | .2 | 27 | 14 | 313 | 3.16 | 13 | 5 | ND | 4 | 19 | 1 | 3 | 2 | 48 | .40 | .069 | 14 | 33 | .62 | 120 | .10 | 2 | 3.62 | .02 | .06 | 1 | 1 |
| 18S 2+75E | 1 | 112 | 14 | 114 | 1.4 | 34 | 13 | 681 | 3.27 | 17 | 5 | ND | 4 | 42 | 1 | 2 | 2 | 40 | .92 | .020 | 10 | 30 | .64 | 167 | .10 | 2 | 3.52 | .03 | .07 | 1 | 1 |
| 18S 3+00E | 1 | 23 | 4 | 106 | .3 | 25 | 9 | 163 | 2.45 | 16 | 5 | ND | 3 | 19 | 1 | 2 | 2 | 38 | .36 | .111 | 8 | 25 | .33 | 99 | .10 | 2 | 2.89 | .02 | .06 | 1 | 1 |
| 18S 3+25E | 1 | 117 | 7 | 72 | 1.5 | 42 | 8 | 351 | 2.59 | 24 | 5 | ND | 5 | 39 | 1 | 2 | 2 | 32 | .63 | .040 | 17 | 24 | .36 | 156 | .14 | 2 | 4.62 | .05 | .07 | 1 | 4 |
| 18S 3+50E | 1 | 15 | 11 | 66 | .2 | 12 | 8 | 171 | 2.36 | 11 | 5 | ND | 2 | 12 | 1 | 3 | 2 | 35 | .18 | .066 | 5 | 14 | .45 | 69 | .09 | 2 | 2.32 | .02 | .05 | 1 | 1 |
| 18S 3+75E | 1 | 23 | 6 | 86 | .5 | 15 | 9 | 178 | 2.27 | 10 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 34 | .28 | .079 | 9 | 18 | .31 | 78 | .11 | 3 | 3.15 | .03 | .06 | 1 | 1 |
| 18S 4+00E | 1 | 22 | 8 | 116 | .7 | 26 | 9 | 204 | 2.55 | 4 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 42 | .18 | .092 | 10 | 32 | .45 | 122 | .12 | 2 | 3.16 | .02 | .09 | 1 | 1 |
| 18S 4+25E | 1 | 23 | 11 | 88 | .2 | 24 | 12 | 270 | 2.68 | 7 | 5 | ND | 4 | 15 | 1 | 2 | 2 | 44 | .23 | .063 | 11 | 32 | .70 | 112 | .13 | 2 | 2.98 | .02 | .09 | 1 | 1 |
| 18S 4+50E | 1 | 46 | 11 | 112 | 1.0 | 51 | 10 | 344 | 3.58 | 11 | 5 | ND | 6 | 38 | 1 | 2 | 2 | 46 | .54 | .037 | 14 | 35 | .48 | 243 | .16 | 3 | 5.51 | .04 | .14 | 1 | 1 |
| 18S 4+75E | 1 | 16 | 3 | 112 | 1.0 | 29 | 8 | 274 | 2.15 | 4 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 31 | .18 | .110 | 7 | 21 | .28 | 105 | .12 | 2 | 3.72 | .03 | .08 | 1 | 1 |
| 18S 5+00E | 1 | 42 | 6 | 102 | 1.0 | 33 | 11 | 328 | 2.96 | 10 | 5 | ND | 4 | 21 | 1 | 2 | 2 | 39 | .35 | .085 | 13 | 30 | .43 | 113 | .13 | 3 | 4.40 | .03 | .09 | 1 | 1 |
| 20+00S 5+00W | 3 | 102 | 188 | 332 | .2 | 15 | 14 | 890 | 4.46 | 15 | 5 | ND | 3 | 33 | 1 | 2 | 2 | 40 | 1.20 | .048 | 6 | 21 | 1.91 | 98 | .19 | 2 | 2.03 | .02 | .04 | 1 | 20 |
| 20+00S 4+75W | 1 | 22 | 7 | 95 | .1 | 31 | 9 | 246 | 2.42 | 10 | 5 | ND | 3 | 27 | 1 | 2 | 2 | 31 | .27 | .072 | 8 | 28 | .68 | 160 | .10 | 2 | 2.34 | .02 | .13 | 1 | 3 |
| 20+00S 4+50W | 1 | 18 | 9 | 106 | .1 | 22 | 9 | 514 | 2.22 | 11 | 5 | ND | 1 | 24 | 1 | 2 | 2 | 30 | .27 | .083 | 6 | 21 | .63 | 126 | .09 | 4 | 2.20 | .02 | .09 | 1 | 1 |
| 20+00S 4+25W | 1 | 21 | 4 | 87 | .1 | 20 | 9 | 395 | 2.31 | 12 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 30 | .23 | .053 | 7 | 23 | .79 | 106 | .09 | 3 | 1.79 | .01 | .11 | 1 | 13 |
| 20+00S 4+00W | 1 | 12 | 8 | 75 | .2 | 19 | 8 | 347 | 1.97 | 6 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 26 | .17 | .059 | 5 | 18 | .62 | 94 | .07 | 2 | 1.69 | .01 | .07 | 1 | 1 |
| 20+00S 3+75W | 1 | 16 | 5 | 93 | .1 | 28 | 9 | 349 | 2.07 | 10 | 5 | ND | 3 | 25 | 1 | 2 | 2 | 30 | .26 | .091 | 6 | 23 | .53 | 135 | .09 | 3 | 2.10 | .02 | .10 | 1 | 1 |
| 20+00S 3+50W | 1 | 22 | 10 | 81 | .2 | 21 | 8 | 387 | 2.08 | 4 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 30 | .24 | .066 | 7 | 19 | .61 | 115 | .09 | 2 | 1.78 | .02 | .08 | 1 | 1 |
| 20+00S 3+25W | 1 | 15 | 6 | 95 | .1 | 19 | 8 | 315 | 2.03 | 3 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 27 | .24 | .066 | 5 | 17 | .72 | 114 | .08 | 2 | 1.80 | .01 | .09 | 1 | 1 |
| 20+00S 3+00W | 1 | 20 | 5 | 82 | .1 | 23 | 9 | 266 | 2.20 | 5 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 28 | .23 | .097 | 6 | 18 | .66 | 148 | .09 | 3 | 2.31 | .02 | .09 | 1 | 1 |
| 20+00S 2+75W | 1 | 16 | 10 | 71 | .1 | 18 | 7 | 211 | 1.83 | 2 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 28 | .25 | .029 | 6 | 19 | .63 | 79 | .09 | 2 | 1.67 | .01 | .08 | 1 | 4 |
| 20+00S 2+50W | 1 | 18 | 4 | 65 | .1 | 23 | 8 | 254 | 2.17 | 2 | 5 | ND | 3 | 20 | 1 | 2 | 2 | 34 | .22 | .044 | 9 | 26 | .68 | 102 | .09 | 2 | 1.94 | .01 | .09 | 1 | 2 |
| 20+00S 2+25W | 1 | 14 | 7 | 72 | .2 | 19 | 7 | 415 | 1.75 | 4 | 5 | ND | 1 | 16 | 1 | 2 | 2 | 25 | .18 | .100 | 6 | 15 | .40 | 106 | .08 | 2 | 1.75 | .02 | .06 | 1 | 1 |
| 20+00S 2+00W | 1 | 14 | 6 | 65 | .1 | 11 | 7 | 359 | 1.69 | 3 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 26 | .18 | .045 | 5 | 14 | .56 | 73 | .08 | 3 | 1.28 | .01 | .06 | 1 | 1 |
| 20+00S 1+75W | 1 | 12 | 11 | 64 | .1 | 14 | 7 | 283 | 1.80 | 3 | 5 | ND | 1 | 14 | 1 | 2 | 2 | 27 | .17 | .075 | 5 | 15 | .38 | 91 | .08 | 2 | 1.64 | .01 | .06 | 1 | 1 |
| 20+00S 1+50W | 1 | 17 | 7 | 74 | .1 | 16 | 9 | 320 | 1.92 | 5 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 27 | .17 | .085 | 5 | 14 | .46 | 84 | .08 | 3 | 1.59 | .02 | .06 | 1 | 1 |
| 20+00S 1+25W | 1 | 15 | 6 | 83 | .1 | 21 | 8 | 662 | 1.85 | 6 | 5 | ND | 1 | 15 | 1 | 2 | 2 | 26 | .17 | .108 | 5 | 18 | .43 | 122 | .08 | 2 | 1.94 | .02 | .06 | 1 | 1 |
| 20+00S 1+00W | 1 | 15 | 12 | 93 | .1 | 19 | 8 | 271 | 1.96 | 2 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 30 | .19 | .082 | 6 | 17 | .43 | 121 | .08 | 4 | 1.99 | .02 | .07 | 1 | 1 |
| 20+00S 0+75W | 1 | 17 | 9 | 99 | .1 | 21 | 10 | 338 | 2.40 | 10 | 5 | ND | 2 | 14 | 1 | 2 | 2 | 33 | .16 | .096 | 5 | 19 | .52 | 171 | .10 | 3 | 2.47 | .02 | .07 | 1 | 1 |
| 20+00S 0+50W | 1 | 23 | 10 | 66 | .1 | 21 | 8 | 335 | 2.08 | 5 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 31 | .25 | .090 | 8 | 20 | .47 | 116 | .09 | 2 | 2.30 | .02 | .06 | 1 | 1 |
| 20+00S 0+25W | 1 | 12 | 3 | 60 | .1 | 19 | 8 | 395 | 2.02 | 6 | 5 | ND | 2 | 14 | 1 | 2 | 2 | 31 | .16 | .123 | 6 | 17 | .36 | 117 | .10 | 2 | 2.77 | .02 | .05 | 1 | 7 |
| 20+00S 0+00B/L | 1 | 14 | 7 | 52 | .2 | 16 | 7 | 354 | 1.78 | 8 | 5 | ND | 3 | 14 | 1 | 3 | 2 | 27 | .16 | .077 | 6 | 14 | .31 | 99 | .09 | 2 | 2.36 | .02 | .04 | 1 | 1 |
| 20+00S 0+25E | 1 | 15 | 6 | 75 | .1 | 17 | 8 | 513 | 2.01 | 5 | 5 | ND | 1 | 13 | 1 | 2 | 2 | 30 | .16 | .112 | 6 | 16 | .36 | 115 | .09 | 2 | 2.16 | .02 | .05 | 1 | 1 |
| 20+00S 0+50E | 1 | 23 | 5 | 65 | .1 | 19 | 8 | 328 | 2.02 | 5 | 5 | ND | 2 | 11 | 1 | 2 | 2 | 30 | .13 | .074 | 7 | 17 | .38 | 114 | .10 | 2 | 2.73 | .02 | .05 | 1 | 1 |
| 20+00S 0+75E | 1 | 75 | 6 | 105 | .2 | 33 | 11 | 390 | 2.74 | 8 | 5 | ND | 3 | 16 | 1 | 2 | 2 | 42 | .20 | .053 | 12 | 30 | .60 | 140 | .09 | 2 | 3.22 | .02 | .09 | 1 | 1 |
| STD C/AU-S | 20 | 61 | 37 | 139 | 7.5 | 72 | 30 | 1084 | 3.98 | 41 | 21 | 8 | 40 | 49 | 19 | 20 | 20 | 60 | .50 | .089 | 40 | 58 | .92 | 190 | .07 | 38 | 1.85 | .07 | .15 | 12 | 49 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU** PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20+00S 1+00E | 1 | 25 | 11 | 84 | .4 | 24 | 8 | 323 | 2.23 | 5 | 5 | ND | 4 | 12 | 1 | 2 | 2 | 36 | .16 | .095 | 9 | 24 | .41 | 102 | .10 | 3 | 2.86 | .02 | .08 | 1 | 1 |
| 20+00S 1+25E | 1 | 9 | 9 | 80 | .2 | 14 | 6 | 610 | 1.61 | 9 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 26 | .16 | .118 | 5 | 13 | .17 | 102 | .09 | 3 | 2.35 | .02 | .05 | 1 | 1 |
| 20+00S 1+50E | 1 | 27 | 11 | 102 | .5 | 25 | 10 | 392 | 2.35 | 11 | 5 | ND | 3 | 15 | 1 | 3 | 2 | 37 | .22 | .094 | 9 | 24 | .37 | 97 | .11 | 2 | 3.39 | .02 | .07 | 1 | 1 |
| 20+00S 1+75E | 1 | 28 | 11 | 93 | .5 | 25 | 10 | 308 | 2.36 | 8 | 5 | ND | 4 | 16 | 1 | 2 | 2 | 37 | .28 | .067 | 10 | 29 | .54 | 113 | .10 | 5 | 2.64 | .02 | .08 | 1 | 1 |
| 20+00S 2+00E | 1 | 17 | 10 | 72 | .5 | 14 | 7 | 381 | 2.25 | 9 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 38 | .17 | .097 | 5 | 18 | .35 | 96 | .10 | 4 | 2.48 | .02 | .05 | 1 | 2 |
| 20+00S 2+25E | 2 | 101 | 17 | 111 | .3 | 37 | 15 | 285 | 3.35 | 23 | 5 | ND | 3 | 23 | 1 | 2 | 2 | 49 | .43 | .047 | 12 | 34 | .63 | 183 | .10 | 8 | 4.10 | .02 | .10 | 1 | 1 |
| 20+00S 2+50E | 2 | 35 | 13 | 72 | .4 | 24 | 13 | 233 | 2.39 | 14 | 5 | ND | 3 | 12 | 1 | 2 | 2 | 37 | .17 | .046 | 9 | 32 | .47 | 79 | .11 | 4 | 3.01 | .02 | .06 | 1 | 1 |
| 20+00S 2+75E | 2 | 86 | 14 | 72 | .8 | 31 | 10 | 532 | 2.80 | 40 | 5 | ND | 4 | 30 | 1 | 2 | 2 | 35 | .69 | .026 | 13 | 26 | .39 | 109 | .11 | 7 | 3.79 | .03 | .06 | 1 | 1 |
| 20+00S 3+00E | 1 | 16 | 7 | 65 | .1 | 11 | 7 | 254 | 2.73 | 14 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 46 | .21 | .158 | 4 | 16 | .71 | 74 | .10 | 3 | 2.38 | .01 | .06 | 1 | 3 |
| 20+00S 3+25E | 1 | 16 | 12 | 58 | .4 | 16 | 8 | 165 | 2.22 | 13 | 5 | ND | 3 | 11 | 1 | 2 | 2 | 33 | .11 | .120 | 5 | 17 | .30 | 84 | .12 | 2 | 3.31 | .02 | .04 | 1 | 1 |
| 20+00S 3+50E | 1 | 21 | 16 | 77 | .2 | 19 | 9 | 220 | 2.31 | 9 | 5 | ND | 4 | 13 | 1 | 2 | 2 | 36 | .14 | .087 | 8 | 23 | .45 | 96 | .11 | 4 | 3.14 | .02 | .07 | 1 | 1 |
| 20+00S 3+75E | 2 | 15 | 11 | 87 | .4 | 26 | 9 | 223 | 2.39 | 12 | 5 | ND | 4 | 14 | 1 | 2 | 2 | 39 | .13 | .135 | 6 | 24 | .31 | 68 | .10 | 3 | 2.98 | .02 | .08 | 1 | 4 |
| 20+00S 4+00E | 1 | 15 | 11 | 66 | .1 | 25 | 8 | 175 | 1.83 | 2 | 5 | ND | 5 | 13 | 1 | 2 | 2 | 34 | .22 | .022 | 13 | 25 | .44 | 66 | .09 | 2 | 1.77 | .01 | .06 | 1 | 2 |
| 20+00S 4+25E | 1 | 8 | 9 | 77 | .2 | 16 | 6 | 289 | 1.70 | 9 | 5 | ND | 3 | 14 | 1 | 2 | 2 | 28 | .14 | .225 | 7 | 19 | .20 | 94 | .09 | 4 | 2.33 | .02 | .05 | 1 | 1 |
| 20+00S 4+50E | 1 | 27 | 11 | 101 | .7 | 46 | 9 | 265 | 2.79 | 9 | 5 | ND | 5 | 22 | 1 | 2 | 2 | 42 | .29 | .065 | 14 | 30 | .32 | 140 | .13 | 2 | 4.35 | .03 | .08 | 1 | 3 |
| 20+00S 4+75E | 2 | 19 | 9 | 70 | .1 | 29 | 7 | 170 | 2.39 | 6 | 5 | ND | 6 | 13 | 1 | 2 | 2 | 43 | .17 | .052 | 14 | 35 | .51 | 111 | .09 | 4 | 2.05 | .01 | .07 | 1 | 2 |
| 20+00S 5+00E | 1 | 9 | 12 | 85 | .4 | 11 | 5 | 183 | 1.97 | 7 | 5 | ND | 2 | 16 | 1 | 2 | 2 | 29 | .21 | .158 | 7 | 16 | .23 | 82 | .11 | 5 | 1.88 | .02 | .05 | 1 | 1 |
| 22S 5+00W | 1 | 58 | 35 | 80 | .5 | 23 | 15 | 452 | 3.32 | 14 | 5 | ND | 4 | 32 | 1 | 2 | 2 | 44 | .49 | .059 | 9 | 34 | 1.00 | 74 | .10 | 4 | 2.24 | .01 | .08 | 1 | 1 |
| 22S 4+75W | 1 | 27 | 11 | 83 | .1 | 20 | 13 | 854 | 3.00 | 10 | 5 | ND | 2 | 38 | 1 | 2 | 3 | 39 | .39 | .063 | 6 | 31 | .93 | 117 | .08 | 4 | 1.96 | .02 | .20 | 1 | 1 |
| 22S 4+50W | 1 | 61 | 10 | 94 | .2 | 29 | 17 | 980 | 3.78 | 19 | 5 | ND | 3 | 43 | 1 | 2 | 3 | 50 | .57 | .074 | 8 | 48 | 1.23 | 107 | .08 | 5 | 2.18 | .01 | .15 | 1 | 2 |
| 22S 4+25W | 2 | 61 | 20 | 75 | .4 | 20 | 16 | 709 | 3.72 | 15 | 5 | ND | 3 | 30 | 1 | 2 | 2 | 54 | .46 | .056 | 7 | 36 | 1.43 | 64 | .11 | 3 | 2.00 | .01 | .13 | 1 | 3 |
| 22S 4+00W | 1 | 57 | 17 | 79 | .1 | 22 | 17 | 679 | 3.97 | 18 | 5 | ND | 2 | 22 | 1 | 2 | 2 | 57 | .32 | .046 | 9 | 45 | 1.49 | 55 | .11 | 4 | 2.22 | .01 | .12 | 1 | 4 |
| 22S 3+75W | 1 | 34 | 15 | 85 | .1 | 22 | 15 | 1817 | 3.22 | 8 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 47 | .34 | .080 | 6 | 46 | 1.10 | 154 | .10 | 8 | 2.26 | .01 | .16 | 1 | 4 |
| 22S 3+50W | 1 | 54 | 10 | 57 | .1 | 28 | 15 | 433 | 4.16 | 21 | 5 | ND | 1 | 27 | 1 | 2 | 2 | 69 | .40 | .030 | 4 | 68 | 1.83 | 38 | .11 | 2 | 2.60 | .01 | .10 | 1 | 1 |
| 22S 3+25W | 1 | 57 | 15 | 64 | .1 | 25 | 15 | 675 | 3.53 | 14 | 5 | ND | 2 | 34 | 1 | 2 | 2 | 53 | .67 | .041 | 6 | 50 | 1.34 | 90 | .10 | 2 | 2.34 | .01 | .09 | 1 | 1 |
| 22S 3+00W | 1 | 37 | 12 | 72 | .1 | 27 | 17 | 754 | 3.77 | 9 | 5 | ND | 1 | 28 | 1 | 2 | 2 | 57 | .49 | .052 | 6 | 63 | 1.37 | 101 | .10 | 5 | 2.28 | .01 | .18 | 2 | 1 |
| 22S 2+75W | 1 | 51 | 12 | 63 | .1 | 22 | 16 | 489 | 3.48 | 10 | 5 | ND | 2 | 24 | 1 | 2 | 2 | 53 | .36 | .042 | 8 | 46 | 1.17 | 46 | .10 | 2 | 2.22 | .01 | .17 | 1 | 4 |
| 22S 2+50W | 1 | 79 | 17 | 135 | .1 | 26 | 20 | 1224 | 4.00 | 17 | 5 | ND | 3 | 35 | 1 | 2 | 2 | 50 | .62 | .099 | 10 | 38 | 1.06 | 119 | .05 | 6 | 2.84 | .01 | .16 | 1 | 1 |
| 22S 2+25W | 1 | 110 | 15 | 84 | .2 | 27 | 19 | 765 | 4.84 | 16 | 5 | ND | 3 | 21 | 1 | 2 | 2 | 61 | .39 | .041 | 13 | 48 | 1.75 | 62 | .05 | 5 | 3.10 | .01 | .17 | 1 | 2 |
| 22S 2+00W | 1 | 32 | 17 | 61 | .1 | 25 | 16 | 580 | 3.85 | 10 | 5 | ND | 2 | 25 | 1 | 2 | 2 | 64 | .36 | .026 | 5 | 61 | 1.42 | 75 | .12 | 3 | 2.51 | .01 | .14 | 1 | 1 |
| 22S 1+75W | 1 | 23 | 8 | 54 | .1 | 14 | 11 | 381 | 3.10 | 4 | 5 | ND | 2 | 29 | 1 | 2 | 2 | 48 | .30 | .037 | 5 | 27 | .97 | 53 | .09 | 2 | 1.78 | .01 | .12 | 1 | 1 |
| 22S 1+50W | 1 | 36 | 10 | 65 | .1 | 30 | 16 | 700 | 3.83 | 10 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 66 | .42 | .025 | 5 | 79 | 1.75 | 69 | .13 | 3 | 2.69 | .01 | .09 | 1 | 3 |
| 22S 1+25W | 1 | 30 | 14 | 65 | .1 | 27 | 14 | 625 | 3.40 | 8 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 53 | .31 | .040 | 5 | 63 | 1.34 | 75 | .11 | 3 | 2.41 | .01 | .10 | 1 | 1 |
| 22S 1+00W | 1 | 22 | 13 | 57 | .1 | 26 | 13 | 474 | 3.29 | 9 | 5 | ND | 1 | 22 | 1 | 2 | 2 | 50 | .33 | .035 | 4 | 58 | 1.31 | 73 | .11 | 3 | 2.37 | .01 | .12 | 1 | 2 |
| 22S 0+75W | 1 | 19 | 11 | 58 | .1 | 17 | 11 | 443 | 2.78 | 11 | 5 | ND | 1 | 18 | 1 | 2 | 2 | 37 | .22 | .032 | 5 | 27 | 1.02 | 63 | .08 | 4 | 1.75 | .01 | .08 | 1 | 1 |
| 22S 0+50W | 1 | 19 | 13 | 65 | .3 | 18 | 10 | 638 | 2.31 | 12 | 5 | ND | 1 | 23 | 1 | 2 | 2 | 36 | .33 | .058 | 5 | 23 | .57 | 101 | .08 | 4 | 1.87 | .02 | .10 | 1 | 1 |
| STD C/AU-S | 20 | 62 | 37 | 132 | 7.7 | 72 | 30 | 1030 | 4.00 | 41 | 17 | 8 | 40 | 53 | 18 | 17 | 20 | 59 | .47 | .090 | 41 | 58 | .88 | 181 | .07 | 35 | 1.95 | .07 | .15 | 13 | 52 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU# PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22S 0+25W | 1 | 40 | 12 | 59 | .1 | 22 | 13 | 391 | 3.33 | 11 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 41 | .33 | .015 | 6 | 31 | .92 | 105 | .09 | 3 | 2.64 | .02 | .08 | 1 | 5 |
| BL 22+00S | 1 | 12 | 12 | 85 | .2 | 23 | 11 | 544 | 2.54 | 6 | 5 | ND | 1 | 21 | 1 | 2 | 2 | 37 | .29 | .058 | 4 | 19 | .42 | 126 | .11 | 5 | 2.64 | .02 | .09 | 1 | 2 |
| A 0+00 | 1 | 32 | 12 | 99 | .1 | 12 | 7 | 621 | 2.86 | 3 | 5 | ND | 1 | 35 | 1 | 2 | 2 | 43 | .45 | .166 | 4 | 13 | .50 | 179 | .09 | 12 | 3.73 | .02 | .12 | 1 | 2 |
| A 0+50S | 1 | 8 | 6 | 64 | .1 | 5 | 3 | 697 | 1.39 | 2 | 5 | ND | 1 | 17 | 1 | 2 | 2 | 19 | .24 | .155 | 3 | 7 | .09 | 135 | .09 | 4 | 3.02 | .03 | .04 | 1 | 1 |
| A 1+00S | 1 | 47 | 4 | 85 | .1 | 18 | 14 | 848 | 4.44 | 3 | 5 | ND | 2 | 42 | 1 | 2 | 2 | 102 | .40 | .033 | 13 | 25 | .96 | 138 | .09 | 2 | 2.49 | .02 | .22 | 1 | 1 |
| A 1+50S | 1 | 53 | 8 | 82 | .1 | 16 | 12 | 684 | 4.13 | 5 | 5 | ND | 2 | 50 | 1 | 2 | 2 | 62 | .52 | .038 | 10 | 20 | .96 | 106 | .09 | 4 | 2.96 | .03 | .29 | 1 | 4 |
| A 2+00S | 1 | 77 | 8 | 92 | .4 | 25 | 14 | 731 | 4.61 | 7 | 5 | ND | 4 | 59 | 1 | 2 | 2 | 69 | 1.27 | .033 | 12 | 31 | 1.23 | 123 | .11 | 3 | 3.17 | .05 | .34 | 1 | 7 |
| A 2+50S | 2 | 53 | 8 | 120 | .1 | 23 | 13 | 1065 | 4.35 | 6 | 5 | ND | 2 | 42 | 1 | 2 | 2 | 68 | .47 | .068 | 8 | 24 | .97 | 196 | .10 | 3 | 3.35 | .03 | .15 | 1 | 3 |
| A 3+00S | 1 | 79 | 10 | 88 | .1 | 29 | 19 | 718 | 4.91 | 9 | 5 | ND | 3 | 57 | 1 | 2 | 2 | 104 | .68 | .039 | 8 | 36 | 1.85 | 129 | .18 | 2 | 3.15 | .03 | .28 | 1 | 3 |
| A 3+50S | 2 | 71 | 7 | 75 | .1 | 20 | 14 | 494 | 4.42 | 5 | 5 | ND | 2 | 46 | 1 | 2 | 2 | 95 | .50 | .041 | 9 | 27 | 1.62 | 97 | .18 | 2 | 2.77 | .03 | .30 | 1 | 5 |
| A 4+00S | 1 | 179 | 12 | 82 | .3 | 384 | 24 | 554 | 5.93 | 5 | 5 | ND | 2 | 83 | 1 | 2 | 2 | 167 | 1.11 | .041 | 2 | 49 | 5.70 | 1054 | .27 | 5 | 5.57 | .02 | 1.58 | 1 | 1 |
| A 4+50S | 3 | 55 | 9 | 97 | .1 | 43 | 15 | 797 | 5.16 | 7 | 5 | ND | 7 | 206 | 1 | 2 | 2 | 107 | .64 | .121 | 23 | 40 | 1.57 | 101 | .19 | 6 | 3.15 | .02 | .24 | 1 | 1 |
| A 5+00S | 1 | 38 | 9 | 102 | .1 | 108 | 13 | 490 | 4.05 | 7 | 5 | ND | 4 | 72 | 1 | 2 | 2 | 71 | .44 | .072 | 11 | 63 | 1.30 | 85 | .12 | 2 | 3.21 | .01 | .15 | 1 | 1 |
| A 5+50S | 1 | 56 | 9 | 87 | .2 | 33 | 9 | 778 | 3.80 | 5 | 5 | ND | 8 | 80 | 1 | 2 | 2 | 61 | .63 | .074 | 20 | 28 | .85 | 45 | .11 | 5 | 2.83 | .02 | .14 | 1 | 5 |
| A 6+00S | 1 | 102 | 5 | 96 | .1 | 105 | 23 | 1113 | 4.70 | 14 | 5 | ND | 4 | 47 | 1 | 2 | 2 | 109 | .66 | .063 | 6 | 128 | 1.70 | 140 | .20 | 6 | 2.77 | .02 | .22 | 1 | 1 |
| A 6+50S | 1 | 57 | 13 | 128 | .1 | 37 | 17 | 1302 | 5.32 | 8 | 5 | ND | 4 | 43 | 1 | 2 | 2 | 81 | .53 | .106 | 9 | 36 | .96 | 124 | .08 | 4 | 3.09 | .02 | .17 | 1 | 1 |
| A 7+00S | 2 | 98 | 6 | 137 | .1 | 250 | 31 | 492 | 5.20 | 2 | 5 | ND | 3 | 39 | 1 | 2 | 2 | 134 | .49 | .073 | 5 | 311 | 2.17 | 106 | .25 | 5 | 3.23 | .02 | .34 | 1 | 1 |
| A 7+50S | 1 | 41 | 10 | 84 | .3 | 49 | 11 | 393 | 3.36 | 6 | 5 | ND | 4 | 24 | 1 | 2 | 2 | 61 | .25 | .062 | 7 | 35 | .81 | 76 | .13 | 3 | 2.94 | .02 | .13 | 1 | 5 |
| A 8+00S | 1 | 49 | 8 | 89 | .1 | 105 | 14 | 1026 | 3.60 | 3 | 5 | ND | 3 | 115 | 1 | 2 | 2 | 61 | .84 | .077 | 15 | 53 | 1.01 | 50 | .10 | 3 | 2.48 | .02 | .13 | 1 | 1 |
| B 0+00 | 1 | 128 | 9 | 110 | .2 | 20 | 22 | 577 | 6.07 | 11 | 5 | ND | 3 | 61 | 1 | 2 | 2 | 183 | .42 | .072 | 6 | 23 | 1.96 | 126 | .19 | 2 | 3.97 | .03 | .56 | 1 | 10 |
| B 0+50S | 1 | 95 | 11 | 126 | .4 | 19 | 23 | 887 | 6.23 | 5 | 5 | ND | 2 | 41 | 1 | 2 | 2 | 167 | .46 | .062 | 5 | 23 | 1.43 | 176 | .29 | 2 | 3.83 | .04 | .51 | 1 | 1 |
| B 1+00S | 1 | 131 | 5 | 94 | .3 | 15 | 20 | 705 | 5.56 | 15 | 5 | ND | 2 | 41 | 1 | 2 | 2 | 150 | .46 | .059 | 5 | 16 | 1.52 | 126 | .22 | 7 | 3.63 | .02 | .37 | 1 | 8 |
| B 1+50S | 1 | 104 | 7 | 84 | .3 | 24 | 15 | 475 | 4.30 | 9 | 5 | ND | 3 | 33 | 1 | 2 | 3 | 99 | .28 | .075 | 9 | 31 | 1.15 | 154 | .13 | 2 | 3.06 | .02 | .24 | 1 | 2 |
| B 2+00S | 1 | 76 | 9 | 101 | .1 | 16 | 16 | 676 | 4.20 | 13 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 108 | .34 | .067 | 5 | 22 | 1.04 | 119 | .22 | 5 | 3.17 | .02 | .19 | 1 | 19 |
| B 2+50S | 1 | 145 | 9 | 75 | .1 | 19 | 17 | 460 | 5.15 | 6 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 133 | .27 | .050 | 8 | 21 | 1.36 | 70 | .29 | 5 | 3.07 | .02 | .34 | 1 | 2 |
| B 3+00S | 1 | 244 | 9 | 101 | .8 | 23 | 24 | 1000 | 6.64 | 24 | 5 | ND | 2 | 233 | 1 | 2 | 2 | 152 | 1.88 | .053 | 6 | 24 | 1.49 | 95 | .23 | 5 | 3.63 | .08 | .62 | 1 | 12 |
| B 3+50S | 1 | 64 | 10 | 93 | .1 | 17 | 14 | 474 | 4.45 | 6 | 5 | ND | 2 | 75 | 1 | 2 | 2 | 87 | .60 | .032 | 7 | 20 | 1.57 | 162 | .20 | 7 | 3.56 | .02 | .39 | 1 | 4 |
| B 4+00S | 1 | 75 | 5 | 72 | .3 | 19 | 13 | 589 | 3.65 | 9 | 5 | ND | 2 | 91 | 1 | 2 | 2 | 75 | 7.52 | .053 | 7 | 28 | 1.12 | 75 | .12 | 2 | 2.04 | .05 | .31 | 1 | 6 |
| B 4+50S | 1 | 64 | 7 | 66 | .1 | 21 | 15 | 545 | 4.18 | 6 | 5 | ND | 2 | 46 | 1 | 2 | 2 | 89 | .66 | .034 | 8 | 31 | 1.32 | 90 | .17 | 2 | 2.63 | .03 | .31 | 1 | 3 |
| B 5+00S | 2 | 97 | 5 | 68 | .1 | 74 | 21 | 615 | 4.71 | 3 | 5 | ND | 5 | 34 | 1 | 2 | 2 | 122 | .68 | .120 | 11 | 57 | 1.83 | 217 | .21 | 2 | 2.43 | .02 | .47 | 1 | 1 |
| B 5+50S | 1 | 42 | 7 | 76 | .3 | 162 | 18 | 588 | 3.50 | 5 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 58 | .29 | .069 | 5 | 76 | 1.02 | 110 | .12 | 5 | 2.42 | .02 | .11 | 1 | 1 |
| B 6+00S | 2 | 134 | 12 | 124 | .1 | 41 | 30 | 1719 | 6.87 | 15 | 5 | ND | 5 | 46 | 1 | 2 | 2 | 161 | .59 | .116 | 14 | 48 | 2.40 | 83 | .09 | 2 | 3.58 | .01 | .26 | 1 | 1 |
| B 6+50S | 2 | 53 | 12 | 90 | .1 | 55 | 14 | 443 | 3.78 | 39 | 5 | ND | 3 | 31 | 1 | 3 | 2 | 72 | .41 | .059 | 9 | 68 | 1.06 | 88 | .11 | 3 | 2.36 | .02 | .22 | 1 | 2 |
| B 7+00S | 1 | 15 | 7 | 114 | .2 | 24 | 10 | 1061 | 3.69 | 3 | 5 | ND | 3 | 40 | 1 | 2 | 2 | 56 | .36 | .088 | 8 | 20 | .80 | 405 | .07 | 5 | 3.17 | .01 | .11 | 1 | 1 |
| B 7+50S | 1 | 39 | 13 | 93 | .2 | 33 | 11 | 740 | 4.08 | 5 | 5 | ND | 6 | 78 | 1 | 2 | 2 | 63 | .46 | .054 | 16 | 32 | .81 | 228 | .10 | 7 | 4.11 | .02 | .12 | 1 | 1 |
| B 8+00S | 1 | 45 | 12 | 85 | .1 | 20 | 11 | 1051 | 3.96 | 4 | 5 | ND | 7 | 159 | 1 | 2 | 2 | 62 | .99 | .070 | 16 | 22 | .94 | 78 | .09 | 4 | 3.17 | .02 | .20 | 1 | 1 |
| STD C/AU-S | 19 | 58 | 39 | 127 | 7.4 | 70 | 29 | 1040 | 4.09 | 40 | 17 | 8 | 39 | 52 | 18 | 16 | 19 | 57 | .46 | .086 | 39 | 60 | .86 | 175 | .07 | 35 | 1.91 | .06 | .13 | 11 | 49 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Z 6+00N | 1 | 40 | 16 | 193 | .1 | 21 | 17 | 1156 | 4.58 | 7 | 5 | ND | 2 | 28 | 1 | 2 | 2 | 96 | .35 | .058 | 4 | 26 | .98 | 163 | .21 | 3 | 2.76 | .02 | .16 | 1 | 1 |
| Z 5+75N | 1 | 30 | 14 | 108 | .1 | 14 | 11 | 520 | 3.66 | 8 | 5 | ND | 3 | 36 | 1 | 2 | 2 | 72 | .24 | .087 | 3 | 12 | .52 | 111 | .18 | 3 | 4.02 | .02 | .12 | 1 | 2 |
| Z 5+50N | 1 | 29 | 11 | 142 | .1 | 23 | 12 | 514 | 3.34 | 8 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 70 | .16 | .089 | 3 | 18 | .48 | 97 | .17 | 3 | 2.90 | .02 | .09 | 1 | 1 |
| Z 5+25N | 2 | 39 | 13 | 174 | .1 | 42 | 15 | 592 | 4.04 | 10 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 88 | .19 | .063 | 2 | 22 | .85 | 116 | .21 | 4 | 3.60 | .02 | .12 | 1 | 1 |
| Z 5+00N | 1 | 67 | 11 | 107 | .1 | 176 | 23 | 593 | 4.43 | 12 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 94 | .64 | .074 | 3 | 81 | 1.79 | 171 | .15 | 13 | 2.57 | .02 | .21 | 1 | 7 |
| Z 4+75N | 2 | 35 | 17 | 138 | .2 | 177 | 17 | 831 | 3.87 | 23 | 5 | ND | 2 | 15 | 1 | 2 | 2 | 70 | .27 | .117 | 3 | 54 | 1.03 | 129 | .14 | 5 | 2.77 | .01 | .11 | 1 | 2 |
| Z 4+50N | 1 | 66 | 14 | 117 | .1 | 137 | 18 | 539 | 4.49 | 14 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 110 | .32 | .059 | 5 | 101 | 1.86 | 175 | .19 | 2 | 3.11 | .02 | .22 | 1 | 1 |
| Z 4+25N | 2 | 45 | 13 | 218 | .1 | 39 | 16 | 1183 | 4.06 | 12 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 84 | .21 | .102 | 5 | 33 | .85 | 157 | .16 | 6 | 3.22 | .02 | .09 | 1 | 1 |
| Z 4+00N | 5 | 121 | 15 | 266 | .2 | 99 | 26 | 637 | 6.33 | 11 | 5 | ND | 4 | 36 | 1 | 2 | 3 | 160 | .27 | .112 | 5 | 58 | 1.53 | 174 | .24 | 5 | 3.34 | .02 | .16 | 1 | 16 |
| Z 3+75N | 4 | 56 | 8 | 208 | .1 | 72 | 21 | 1931 | 4.43 | 5 | 5 | ND | 2 | 32 | 1 | 2 | 2 | 117 | .32 | .098 | 4 | 47 | .99 | 160 | .19 | 2 | 1.94 | .02 | .13 | 1 | 57 |
| Z 3+50N | 2 | 37 | 9 | 111 | .3 | 24 | 11 | 349 | 3.61 | 12 | 5 | ND | 4 | 26 | 1 | 3 | 2 | 70 | .33 | .270 | 3 | 23 | .55 | 74 | .15 | 2 | 3.39 | .02 | .10 | 1 | 2 |
| Z 3+25N | 2 | 9 | 16 | 111 | .2 | 23 | 7 | 495 | 2.68 | 17 | 5 | ND | 2 | 12 | 1 | 2 | 2 | 41 | .17 | .203 | 3 | 20 | .20 | 65 | .14 | 4 | 3.40 | .02 | .04 | 1 | 1 |
| Z 3+00N | 2 | 24 | 10 | 168 | .1 | 70 | 11 | 475 | 3.21 | 10 | 5 | ND | 3 | 19 | 1 | 2 | 2 | 56 | .24 | .162 | 4 | 45 | .57 | 109 | .14 | 4 | 2.89 | .02 | .07 | 1 | 1 |
| Z 2+75N | 2 | 77 | 15 | 167 | .1 | 219 | 19 | 513 | 3.99 | 8 | 5 | ND | 4 | 36 | 1 | 2 | 2 | 89 | .34 | .209 | 5 | 111 | 1.08 | 162 | .15 | 4 | 3.25 | .02 | .11 | 1 | 1 |
| Z 2+50N | 2 | 47 | 12 | 129 | .1 | 176 | 17 | 469 | 3.62 | 10 | 5 | ND | 2 | 33 | 1 | 2 | 2 | 80 | .34 | .126 | 4 | 71 | .85 | 115 | .16 | 5 | 2.85 | .02 | .12 | 1 | 1 |
| Z 2+25N | 2 | 10 | 16 | 110 | .1 | 29 | 6 | 524 | 2.25 | 18 | 5 | ND | 3 | 22 | 1 | 2 | 2 | 32 | .33 | .199 | 3 | 25 | .19 | 62 | .13 | 3 | 4.17 | .02 | .03 | 1 | 3 |
| Z 2+00N | 3 | 99 | 9 | 142 | .1 | 180 | 21 | 458 | 5.15 | 19 | 5 | ND | 3 | 40 | 1 | 2 | 2 | 117 | .40 | .055 | 6 | 64 | 1.30 | 77 | .16 | 7 | 3.12 | .02 | .05 | 1 | 2 |
| Z 1+75N | 1 | 85 | 14 | 141 | .1 | 215 | 14 | 569 | 3.91 | 12 | 5 | ND | 4 | 47 | 1 | 2 | 2 | 78 | .49 | .039 | 10 | 39 | 1.13 | 120 | .15 | 2 | 2.81 | .03 | .16 | 1 | 1 |
| Z 1+50N | 1 | 79 | 17 | 117 | .1 | 150 | 14 | 498 | 4.10 | 8 | 5 | ND | 5 | 32 | 1 | 2 | 2 | 81 | .30 | .048 | 6 | 47 | 1.05 | 144 | .15 | 3 | 3.60 | .02 | .10 | 1 | 1 |
| Z 1+25N | 1 | 32 | 15 | 111 | .2 | 37 | 10 | 544 | 2.95 | 11 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 58 | .19 | .086 | 4 | 26 | .55 | 93 | .13 | 4 | 3.07 | .02 | .07 | 1 | 1 |
| Z 1+00N | 1 | 21 | 5 | 143 | .2 | 34 | 9 | 997 | 2.43 | 4 | 5 | ND | 2 | 13 | 1 | 2 | 2 | 46 | .15 | .068 | 4 | 28 | .45 | 105 | .12 | 2 | 2.40 | .02 | .04 | 1 | 2 |
| Z 0+75N | 1 | 23 | 14 | 125 | .1 | 19 | 9 | 820 | 2.87 | 14 | 5 | ND | 2 | 20 | 1 | 2 | 2 | 51 | .26 | .165 | 3 | 24 | .42 | 130 | .13 | 5 | 4.62 | .02 | .04 | 2 | 1 |
| Z 0+50N | 1 | 70 | 9 | 87 | .1 | 28 | 13 | 596 | 3.96 | 10 | 5 | ND | 3 | 31 | 1 | 2 | 2 | 82 | .37 | .062 | 7 | 30 | 1.17 | 113 | .14 | 2 | 3.10 | .02 | .20 | 2 | 1 |
| Z 0+25N | 1 | 25 | 16 | 98 | .1 | 18 | 9 | 349 | 3.12 | 12 | 5 | ND | 2 | 18 | 1 | 2 | 2 | 54 | .24 | .131 | 4 | 21 | .52 | 100 | .13 | 4 | 4.21 | .02 | .05 | 1 | 1 |
| Z 0+00 | 1 | 42 | 16 | 126 | .1 | 18 | 12 | 1285 | 3.94 | 11 | 5 | ND | 2 | 23 | 1 | 2 | 2 | 76 | .36 | .084 | 6 | 24 | .85 | 131 | .13 | 5 | 3.10 | .02 | .10 | 1 | 1 |
| STD C/AU-S | 18 | 57 | 41 | 131 | 6.9 | 68 | 27 | 1071 | 3.97 | 40 | 18 | 7 | 36 | 49 | 17 | 15 | 19 | 58 | .47 | .083 | 37 | 58 | .87 | 175 | .06 | 33 | 1.84 | .06 | .13 | 12 | 52 |

| SAMPLE# | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | NI PPM | CO PPM | MN PPM | FE % | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SB PPM | BI PPM | V PPM | CA % | P % | LA PPM | CR PPM | MG % | BA PPM | TI % | B PPM | AL % | NA % | K % | W PPM | AU* PPB |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| P87104-#1 | 2 | 15 | 13 | 11 | .5 | 1 | 1 | 38 | 1.34 | 4 | 5 | ND | 1 | 3 | 1 | 2 | 43 | 2 | .01 | .002 | 2 | 3 | .01 | 5 | .01 | 2 | .03 | .01 | .04 | 2 | 590 |

# APPENDIX C

## HISTOGRAMS/STATISTICAL SUMMARY FOR

Cu, Pb, Zn, Ag, Ni, As, Co and Au

November 26, 1987

HISTOGTRAM/STATISTICAL SUMMARY

To : Peter A. Christopher
Project : Pita

Attention : Peter Christopher

| FILE NUMBER | PAGE NUMBER | SAMPLE TYPE | NUMBER OF SAMPLES |
|---|---|---|---|
| 87-5616 | 1-12 | SOIL | 637 |
| | | TOTAL SOIL SAMPLES - | 637 |

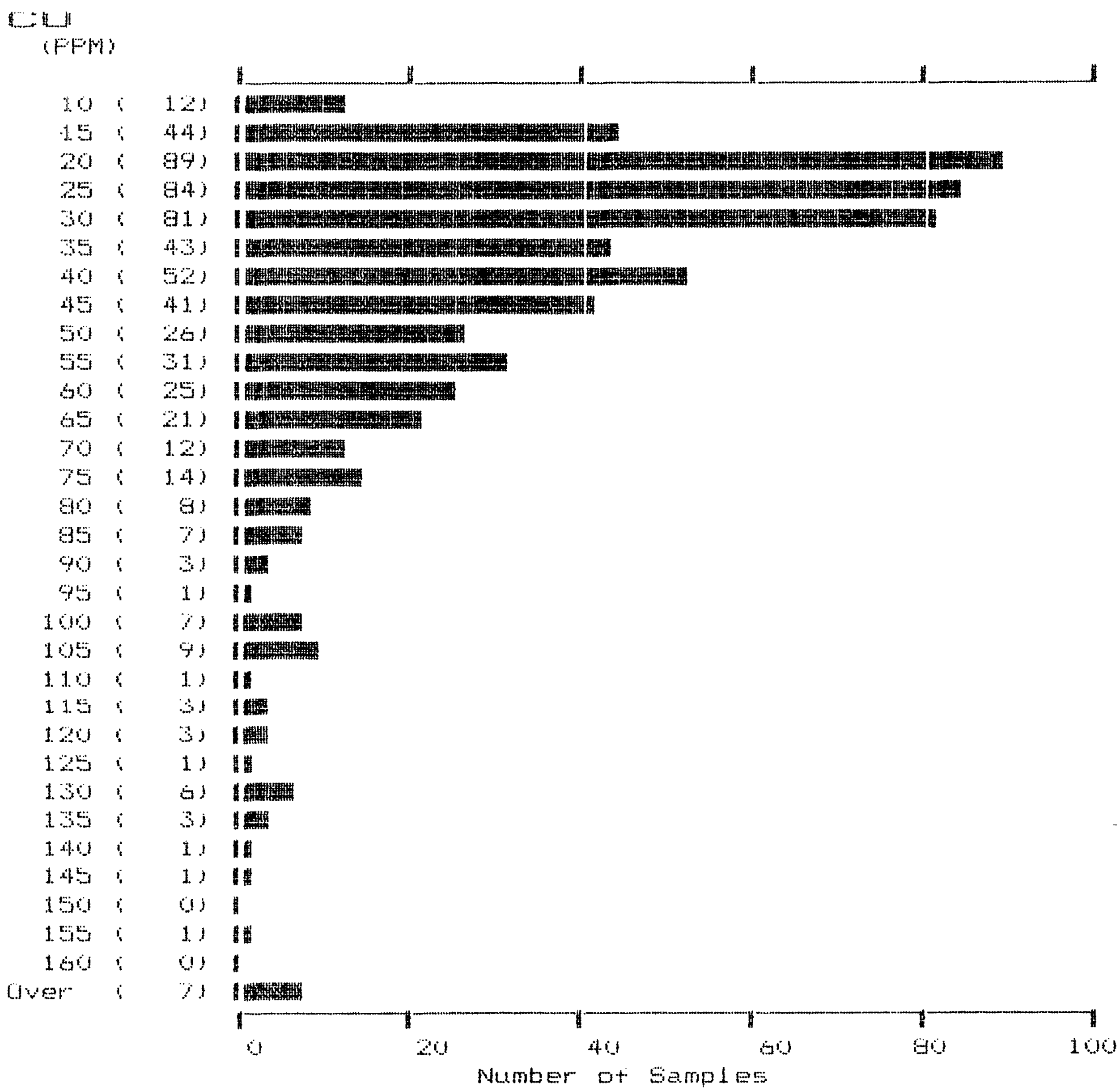
As requested on November 25, 1987, a set of histograms was done for you on file 87-5616 (Project-Pita). Of all elements analyzed, 8 elements were used for statistical purposes. These included:

Cu, Pb, Zn, Ag, Ni, As, Co and Au*

Sincerely yours,

Michael Choi

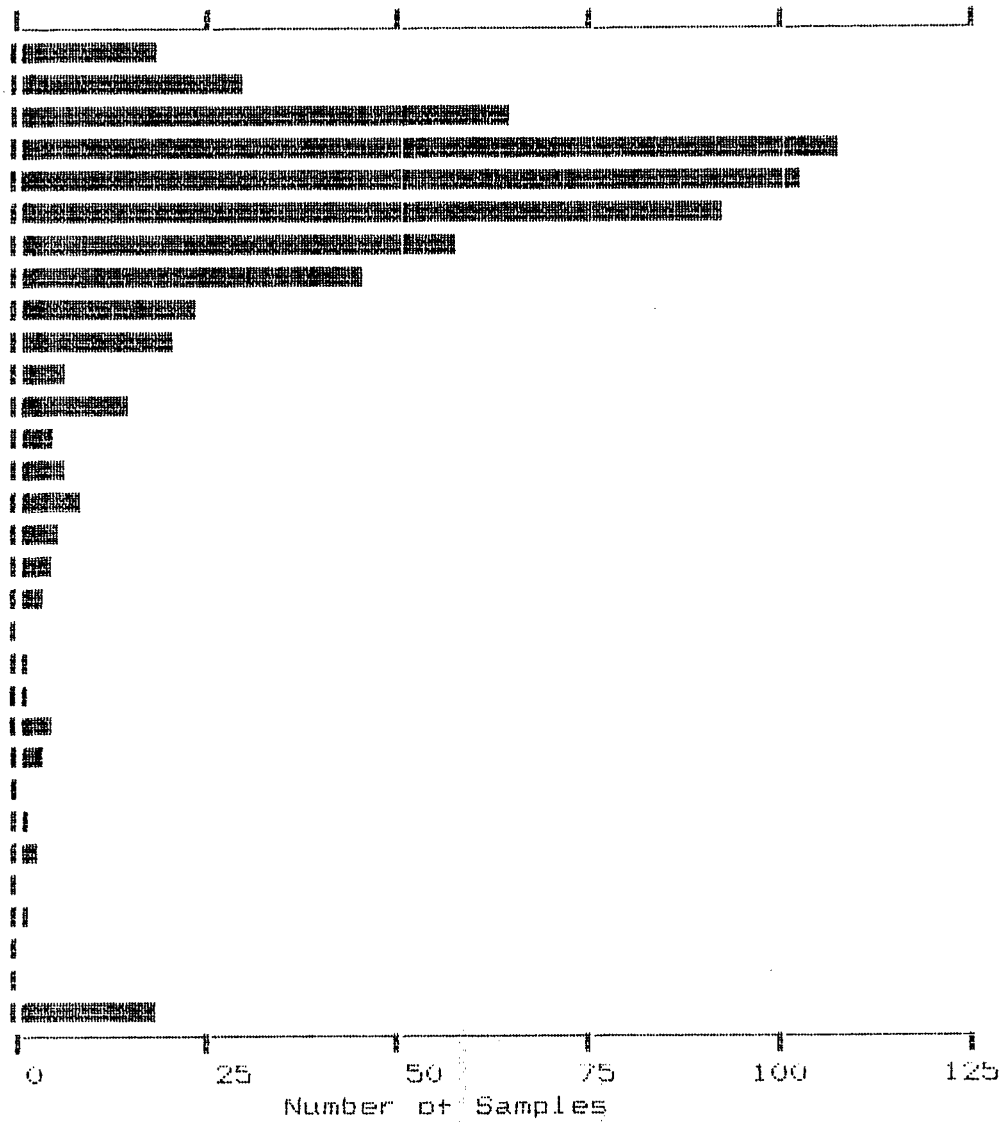
# P. CHRISTOPHER (87-5516(PITA))




637 Samples    Maximum: 1411    Mean: 43
Minimum: 8    Median: 32
Standard Deviation: 62

## P. CHRISTOPHER (87-5516(P11A))

| PB (PPM) | Count |
|---|---|
| 2 | (18) |
| 4 | (29) |
| 6 | (64) |
| 8 | (107) |
| 10 | (102) |
| 12 | (92) |
| 14 | (57) |
| 16 | (45) |
| 18 | (23) |
| 20 | (20) |
| 22 | (6) |
| 24 | (14) |
| 26 | (4) |
| 28 | (6) |
| 30 | (7) |
| 32 | (5) |
| 34 | (4) |
| 36 | (3) |
| 38 | (0) |
| 40 | (1) |
| 42 | (1) |
| 44 | (4) |
| 46 | (3) |
| 48 | (0) |
| 50 | (1) |
| 52 | (2) |
| 54 | (0) |
| 56 | (1) |
| 58 | (0) |
| 60 | (0) |
| Over | (18) |

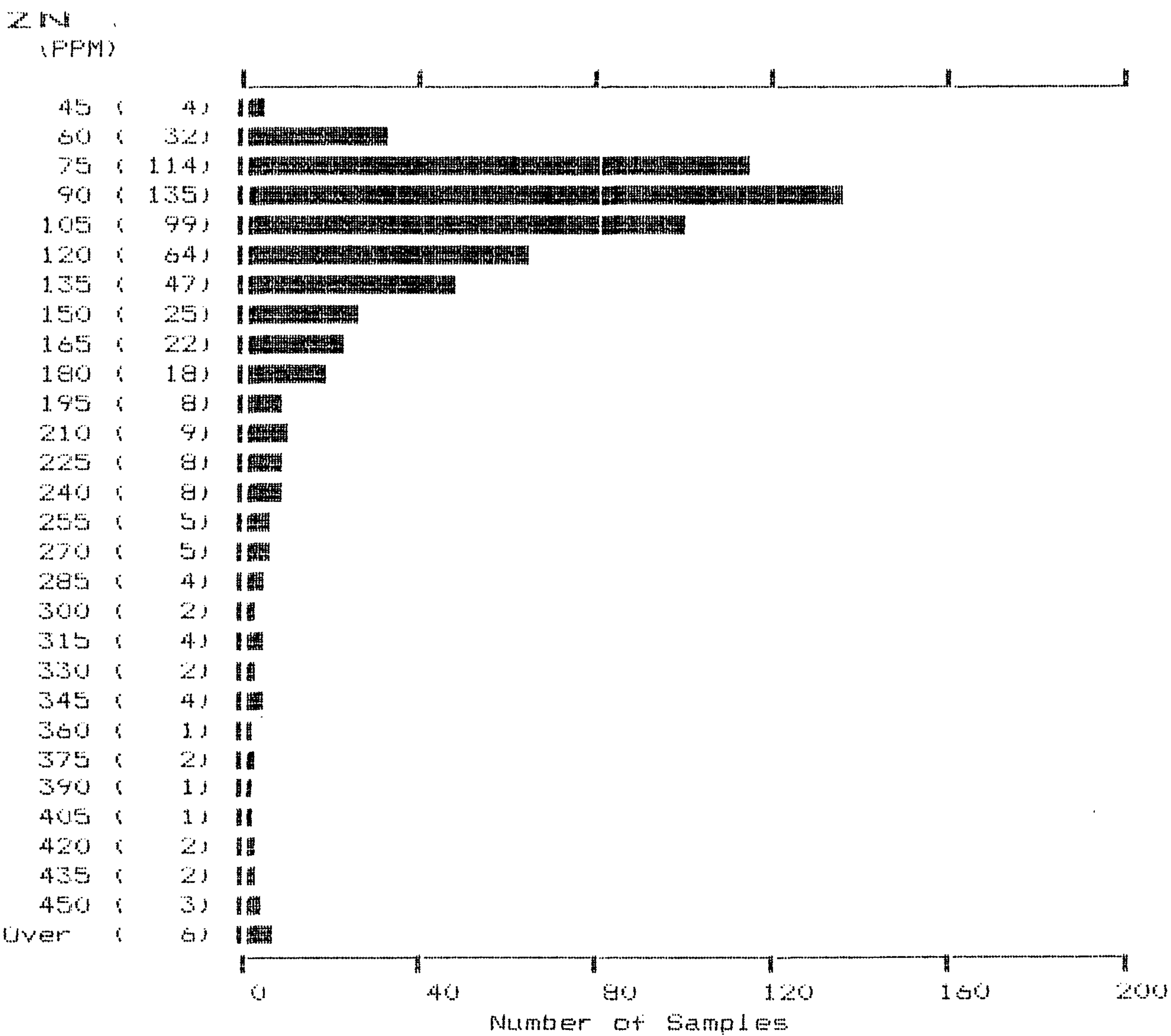



637 Samples

Maximum: 346
Minimum: 2

Mean: 15
Median: 10
Standard Deviation: 24

# P. CHRISTOPHER (87-5516(PITA))

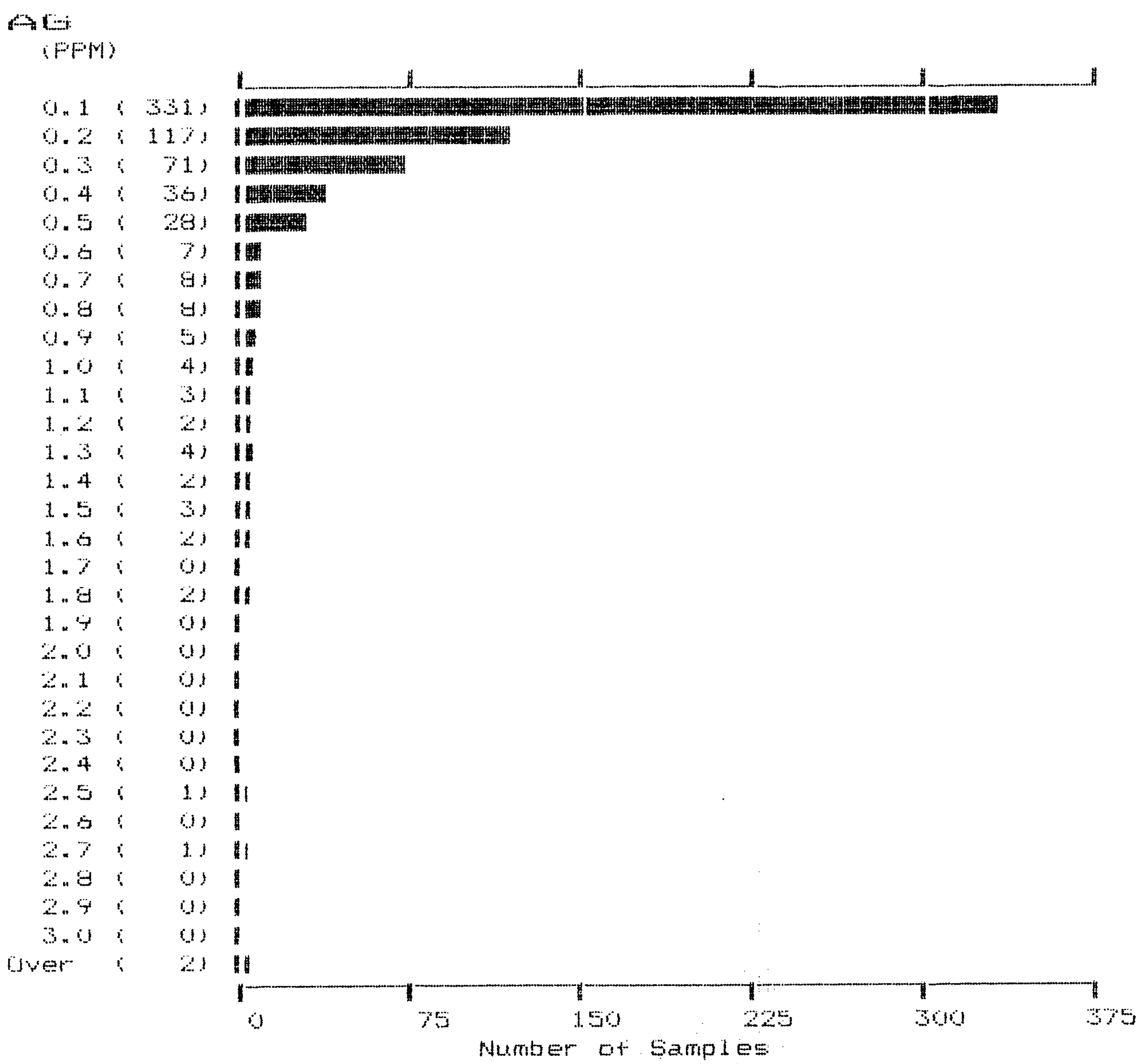



637 Samples

Maximum: 1271
Minimum: 37

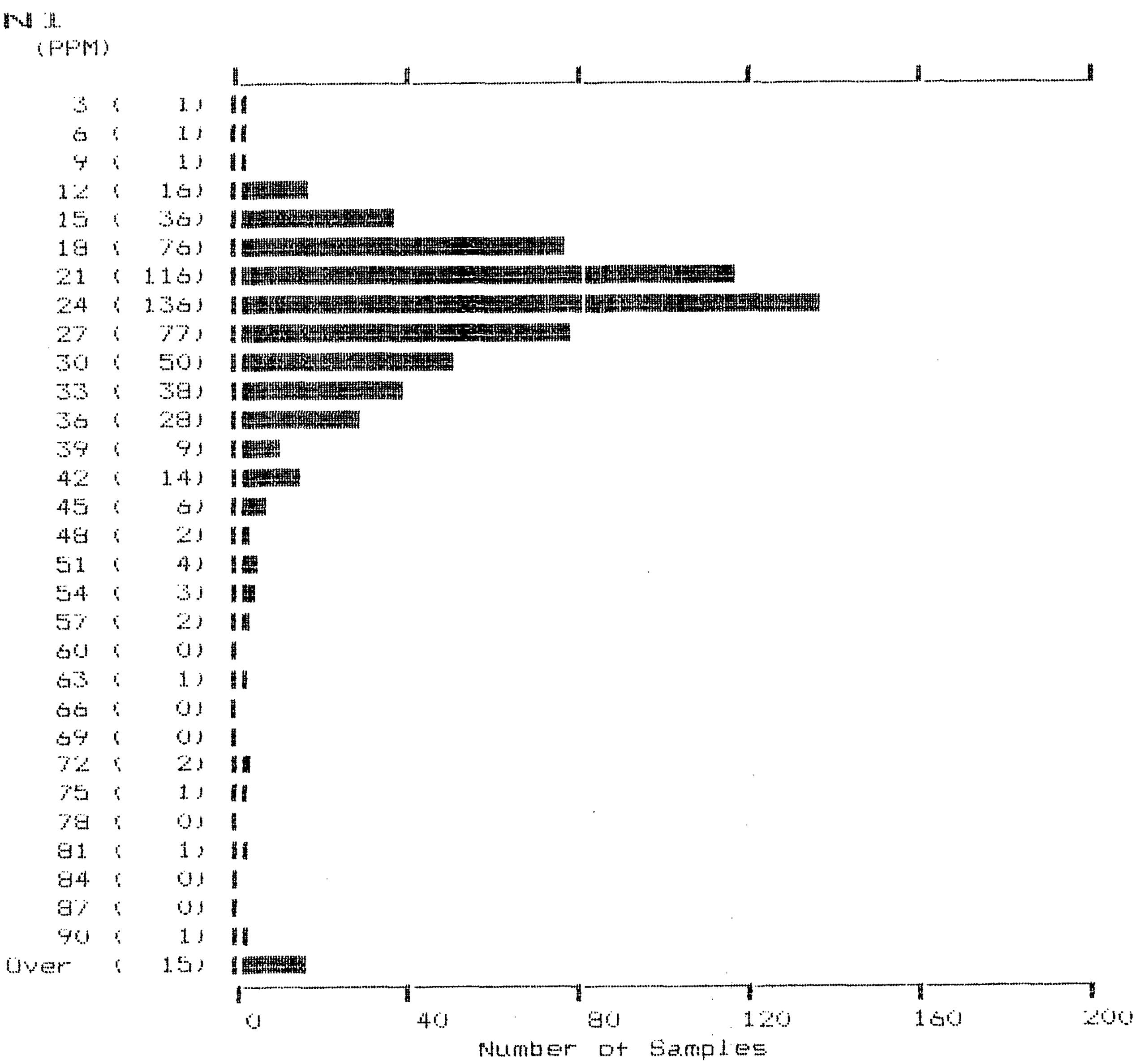
Mean: 121
Median: 95
Standard Deviation: 90

P. CHRISTOPHER (87-5516(PITA))




637 Samples    Maximum: 4.6    Mean: 0.3
Minimum: 0.1    Median: 0.1
Standard Deviation: 0.4

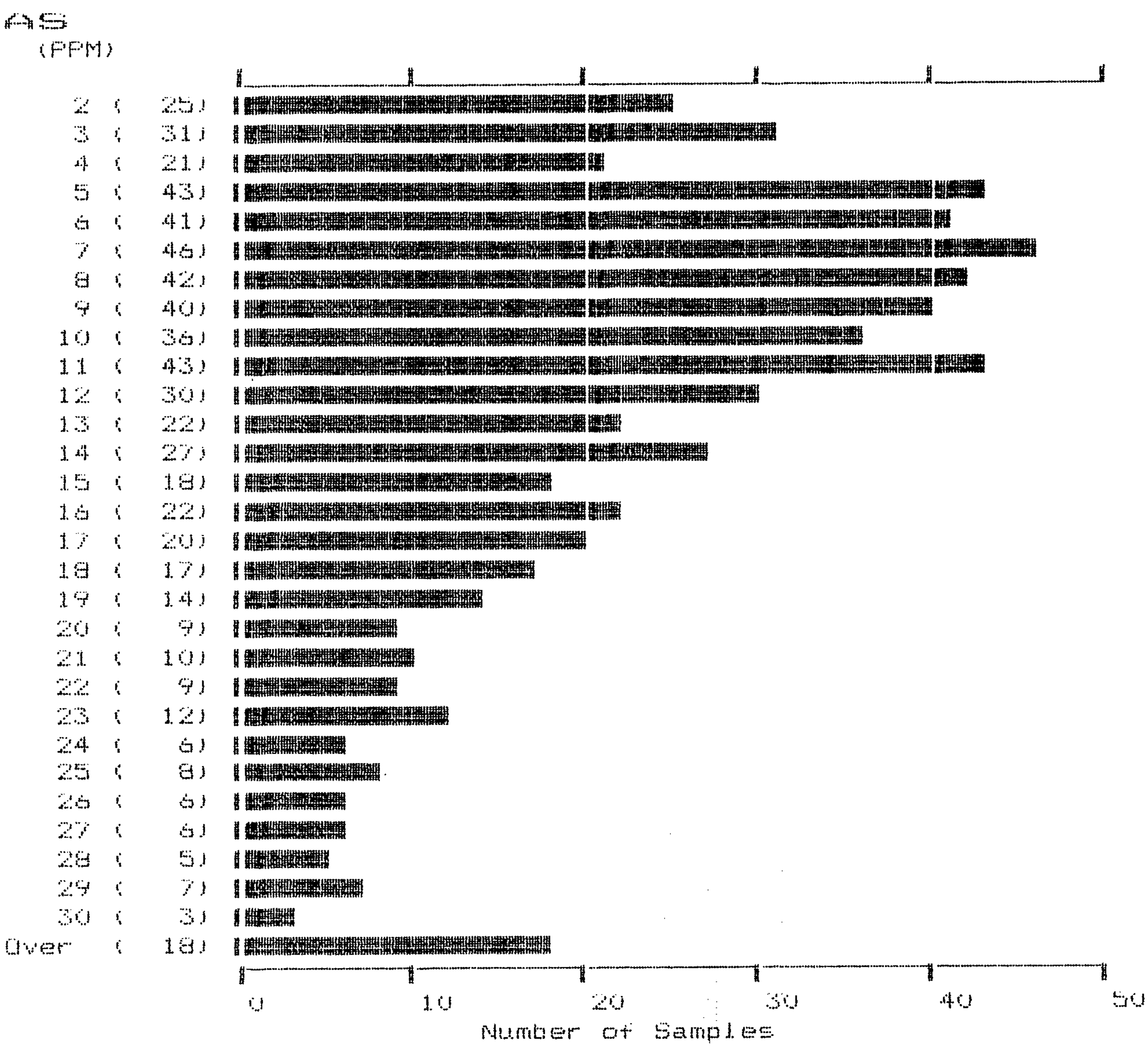
## P. CHRISTOPHER (87-5516(PI1A))




637 Samples

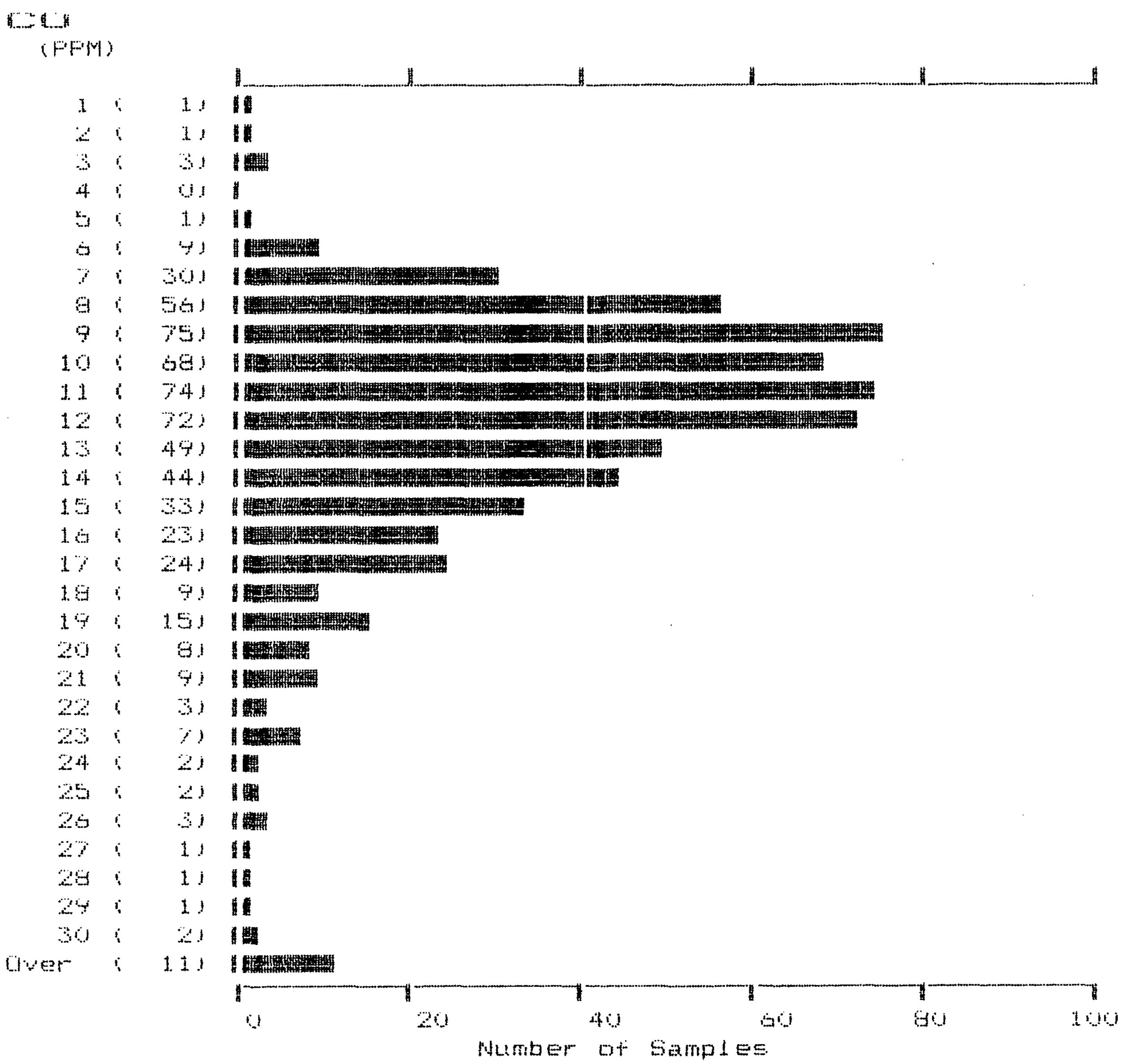
| | | | |
|---|---|---|---|
| Maximum: | 384 | Mean: | 28 |
| Minimum: | 2 | Median: | 23 |
| | | Standard Deviation: | 27 |

P. CHRISTOPHER (87-5516(P11A))



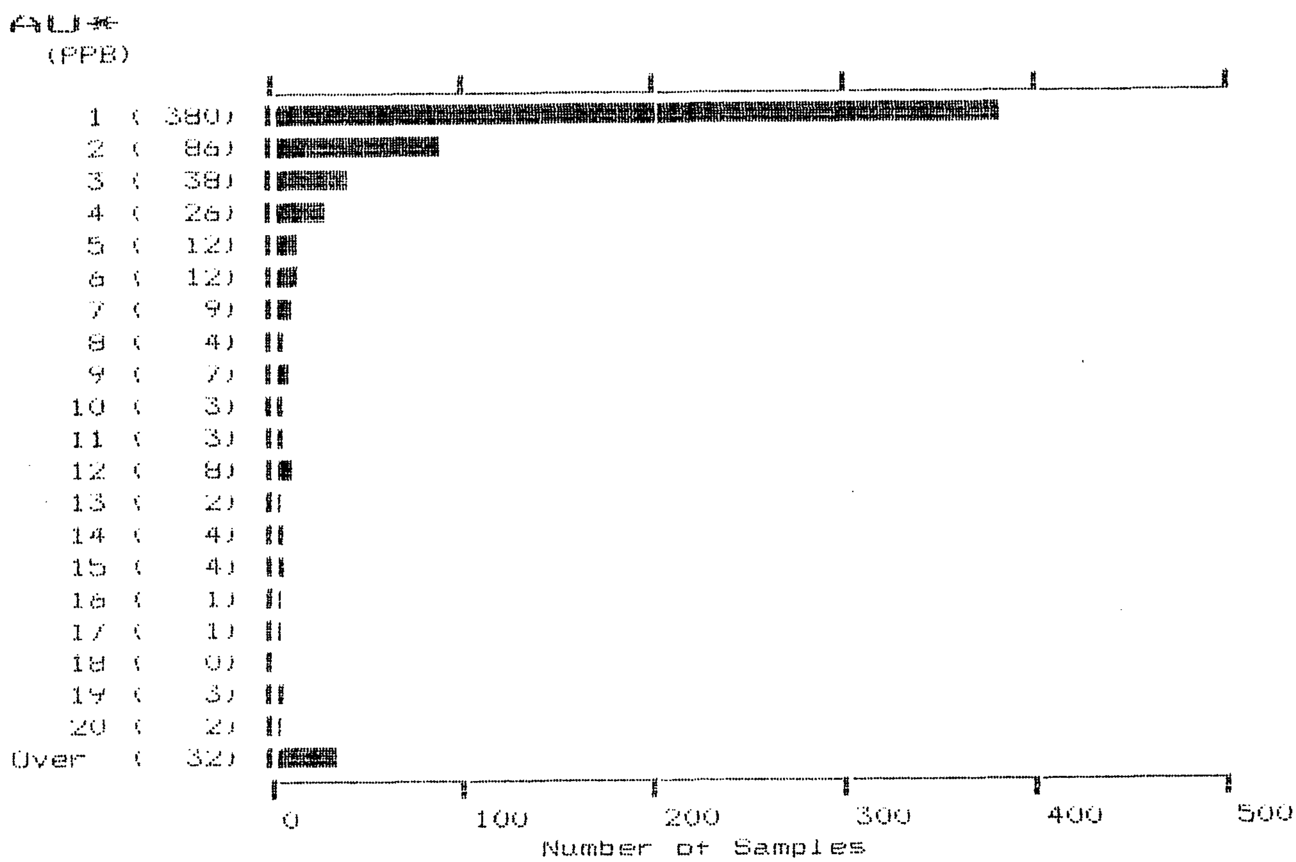

637 Samples Maximum: 68 Mean: 12
Minimum: 2 Median: 10
Standard Deviation: 8

# P. CHRISTOPHER (87-5516(P11A))




637 Samples    Maximum: 52    Mean: 13
Minimum: 1    Median: 12
Standard Deviation: 6

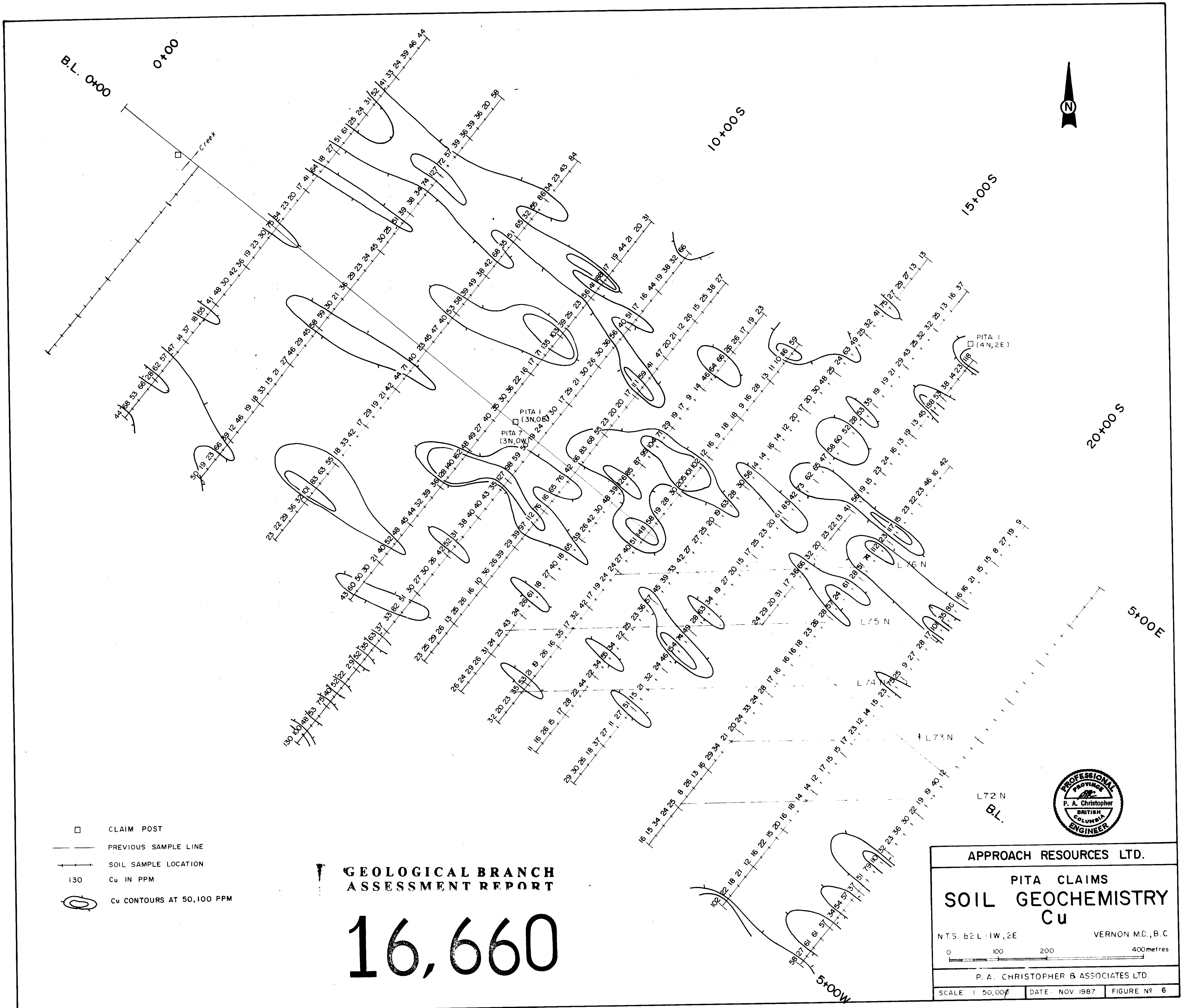
P. CHRISTOPHER (87-5516(PITA))




637 Samples

Maximum: 131
Minimum: 1

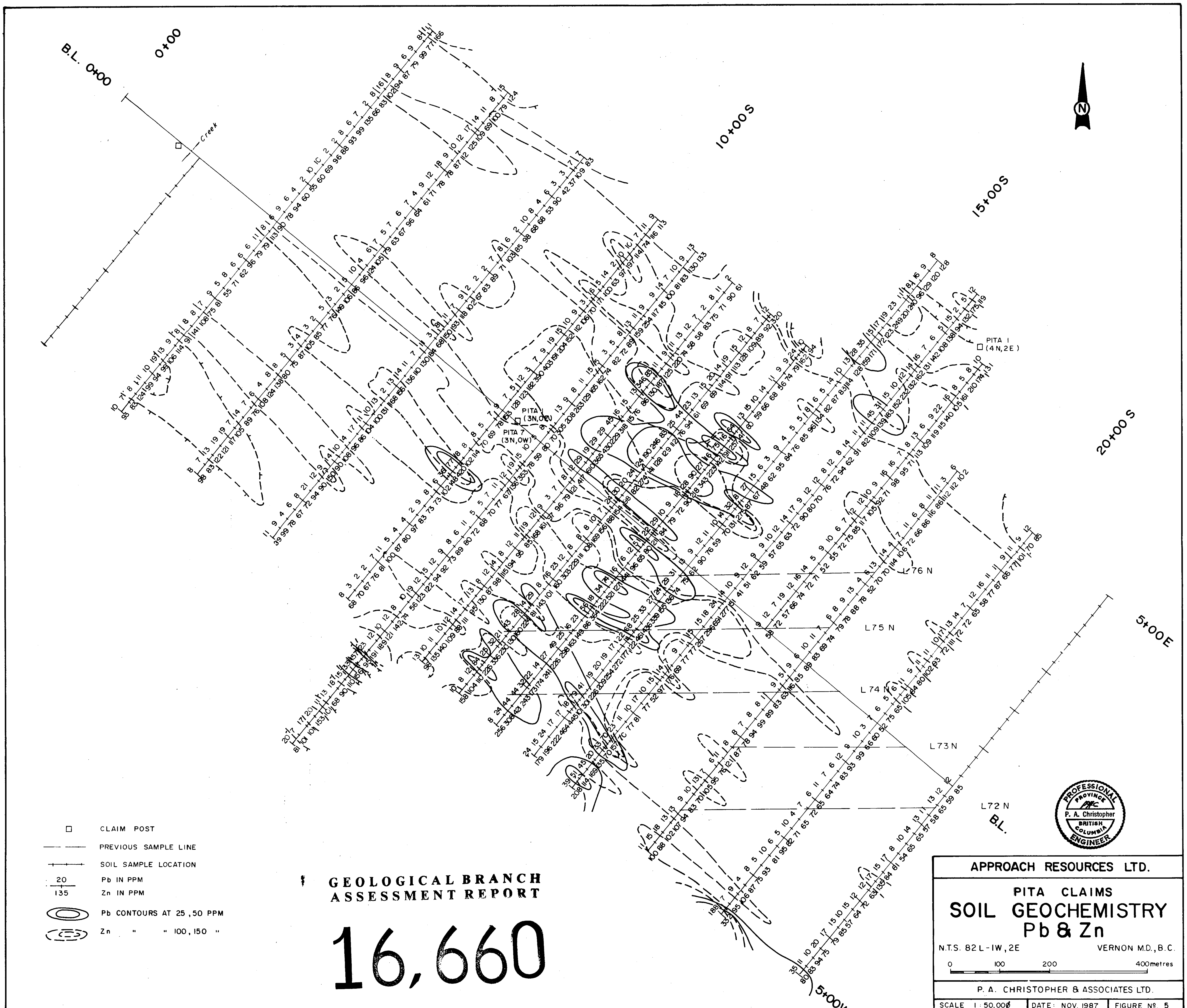
Mean: 5
Median: 1
Standard Deviation: 12




GEOLOGICAL BRANCH
ASSESSMENT REPORT

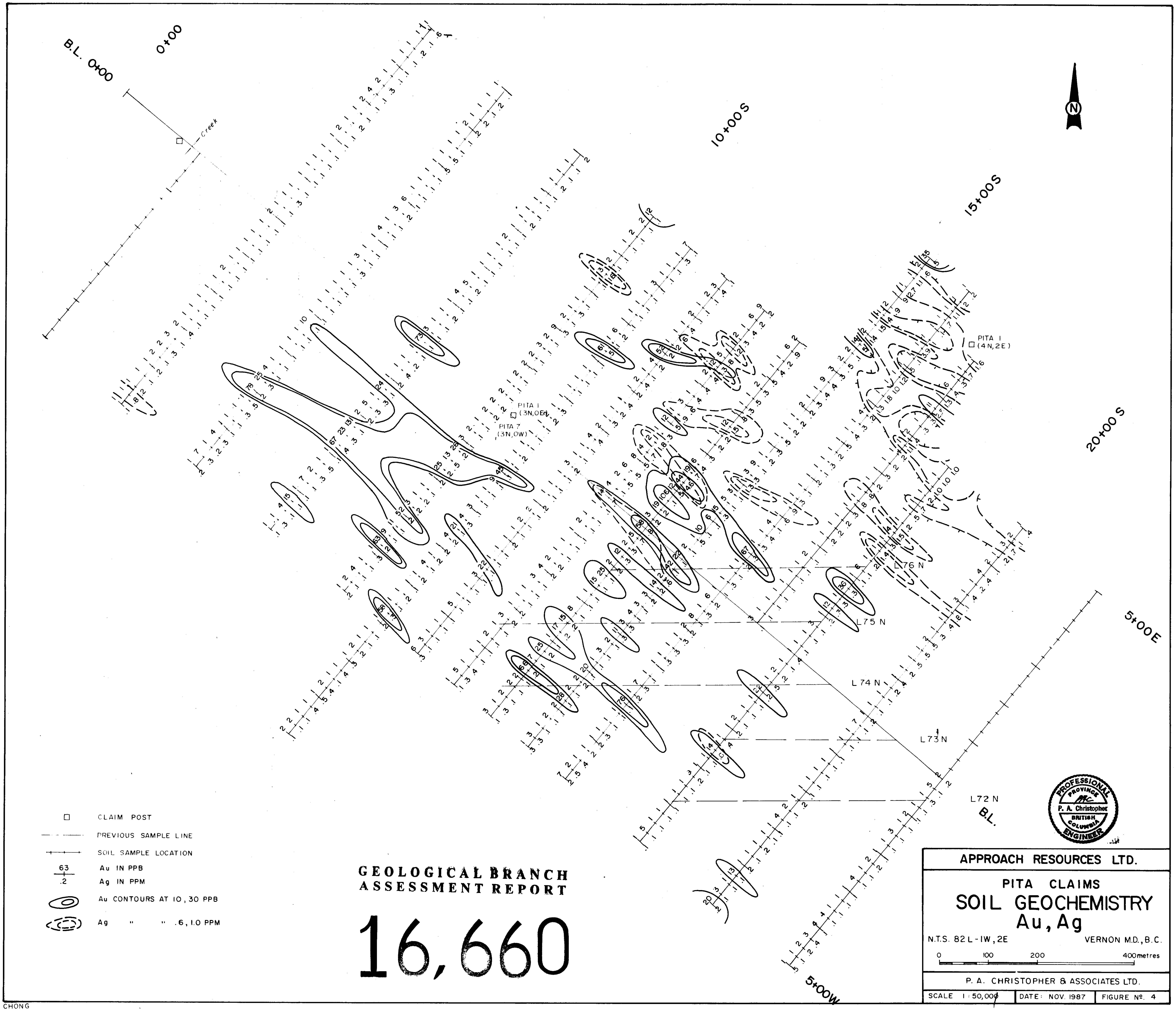
16,660

CHONG




GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,660


B.L. 0+00
0+00
Creek
10+00S
15+00S
20+00 S
5+00E
5+00W
B.L.
PITA 1 (3N,0E)
PITA 2 (3N,0W)
PITA 1 (4N,2E)
L76 N
L75 N
L74 N
L73 N
L72 N
N
CLAIM POST
PREVIOUS SAMPLE LINE
SOIL SAMPLE LOCATION
63 Au IN PPB
.2 Ag IN PPM
Au CONTOURS AT 10, 30 PPB
Ag " " .6, 1.0 PPM
GEOLOGICAL BRANCH
ASSESSMENT REPORT
16,660
PROFESSIONAL ENGINEER
PROVINCE
P. A. Christopher
BRITISH COLUMBIA
APPROACH RESOURCES LTD.
PITA CLAIMS
SOIL GEOCHEMISTRY
Au, Ag
N.T.S. 82 L-1W, 2E
VERNON M.D., B.C.
0 100 200 400 metres
P. A. CHRISTOPHER & ASSOCIATES LTD.
SCALE 1:50,000
DATE: NOV. 1987
FIGURE No. 4
CHONG